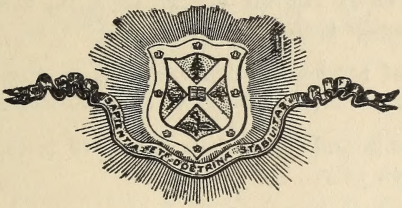
Digitized by the Internet Archive
in 2017 with funding from
Queen's University Archives

https://archive.org/details/qucalendarmed1923

Queen's University

KINGSTON, CANADA



CALENDAR

OF

THE FACULTY OF MEDICINE

SEVENTY-FIRST SESSION

1923-1924

E
LA14
3/24

The course of study for the degree of M.D., C.M., comprises six sessions of eight months each.

The attention of prospective matriculants is directed to the statement on page 32 concerning the filing of applications for admission.

All announcements and regulations contained in this Calendar apply to the current session only.

The Faculty of Medicine reserves the right to make such changes in the regulations and courses of study at any time as experience may prove desirable.

All requests for information should be addressed to Dr. A. R. B. Williamson, Secretary of the Medical Faculty, Queen's University, Kingston, Ontario.

Queen's University
Library

KINGSTON, ONTARIO

Queen's University

KINGSTON, CANADA

INCORPORAETD BY ROYAL CHARTER IN 1841

CALENDAR

OF

THE FACULTY OF MEDICINE

SEVENTY-FIRST SESSION

1923-24

KINGSTON
The Jackson Press
1923

LE3.Q92A14
1923/24

CONTENTS

PAGE

CALENDAR 4

PLAN OF THE UNIVERSITY GROUNDS 5

ACADEMIC YEAR 6

TIME TABLES 7

HISTORY OF THE UNIVERSITY 11

GOVERNMENT AND ADMINISTRATION 14

OFFICERS OF ADMINISTRATION 17

OFFICERS OF INSTRUCTION 22

EQUIPMENT AND SPECIAL FACILITIES 27

- Laboratories 27
- Medical Buildings 28
- Hospitals 28
- Museum 29
- Medical Library 29
- University Library 30
- Post-Graduate Lectures 30

GENERAL INFORMATION 32

- Admission of Students 32
- Matriculation Examinations 33
- Registration 33
- Curriculum 34
- Combined B.A. and M.D. Course 35

Examinations and Graduation 36
Fees 38
Average Cost per Session 38
Physical Welfare of Students 39
Attendance at Church 40
The Alma Mater and Æsculapian Societies 40

HIGHER DEGREES 41
Degree of Doctor of Science (D.Sc.) 41
Diploma of Public Health (D.P.H.) 41

SCHOLARSHIPS AND HONOURS 43

REQUIREMENTS FOR LICENSE 46

COURSES OF INSTRUCTION 48

MEDALISTS AND HOLDERS OF SCHOLARSHIPS 70

DEGREES CONFERRED 71

STUDENTS IN ATTENDANCE 72

CALENDAR

1923

JANUARY

S	M	T	W	T	F	S
..	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31	..	..	..
..	..	..	..	..	..	..

FEBRUARY

S	M	T	W	T	F	S
..	..	..	..	..	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	..	..
..	..	..	..	..	..	..

MARCH

S	M	T	W	T	F	S
..	..	..	..	..	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31	..	..	..	..	..	..

APRIL

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	..	..	..	..	..
..	..	..	..	..	..	..

MAY

S	M	T	W	T	F	S
..	..	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31	..	..
..	..	..	..	..	..	..

JUNE

S	M	T	W	T	F	S
..	..	..	..	..	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
..	..	..	..	..	..	..

JULY

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	..	..	..	..
..	..	..	..	..	..	..

AUGUST

S	M	T	W	T	F	S
..	..	..	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	..
..	..	..	..	..	..	..

SEPTEMBER

S	M	T	W	T	F	S
..	..	..	..	..	..	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	..	..	..	..	..	..

OCTOBER

S	M	T	W	T	F	S
..	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31	..	..	..
..	..	..	..	..	..	..

NOVEMBER

S	M	T	W	T	F	S
..	..	..	..	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	..
..	..	..	..	..	..	..

DECEMBER

S	M	T	W	T	F	S
..	..	..	..	..	..	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31	..	..	..	..	..

1924

JANUARY

S	M	T	W	T	F	S
..	..	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31	..	..
..	..	..	..	..	..	..

FEBRUARY

S	M	T	W	T	F	S
..	..	..	..	..	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	..
..	..	..	..	..	..	..

MARCH

S	M	T	W	T	F	S
..	..	..	..	..	..	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31	..	..	..	..	..

APRIL

S	M	T	W	T	F	S
..	..	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	..	..	..
..	..	..	..	..	..	..

MAY

S	M	T	W	T	F	S
..	..	..	..	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31
..	..	..	..	..	..	..

JUNE

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	..	..	..	..	..
..	..	..	..	..	..	..

JULY

S	M	T	W	T	F	S
..	..	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31	..	..
..	..	..	..	..	..	..

AUGUST

S	M	T	W	T	F	S
..	..	..	..	..	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31	..	..	..	..	..	..

SEPTEMBER

S	M	T	W	T	F	S
..	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	..	..	..	..
..	..	..	..	..	..	..

OCTOBER

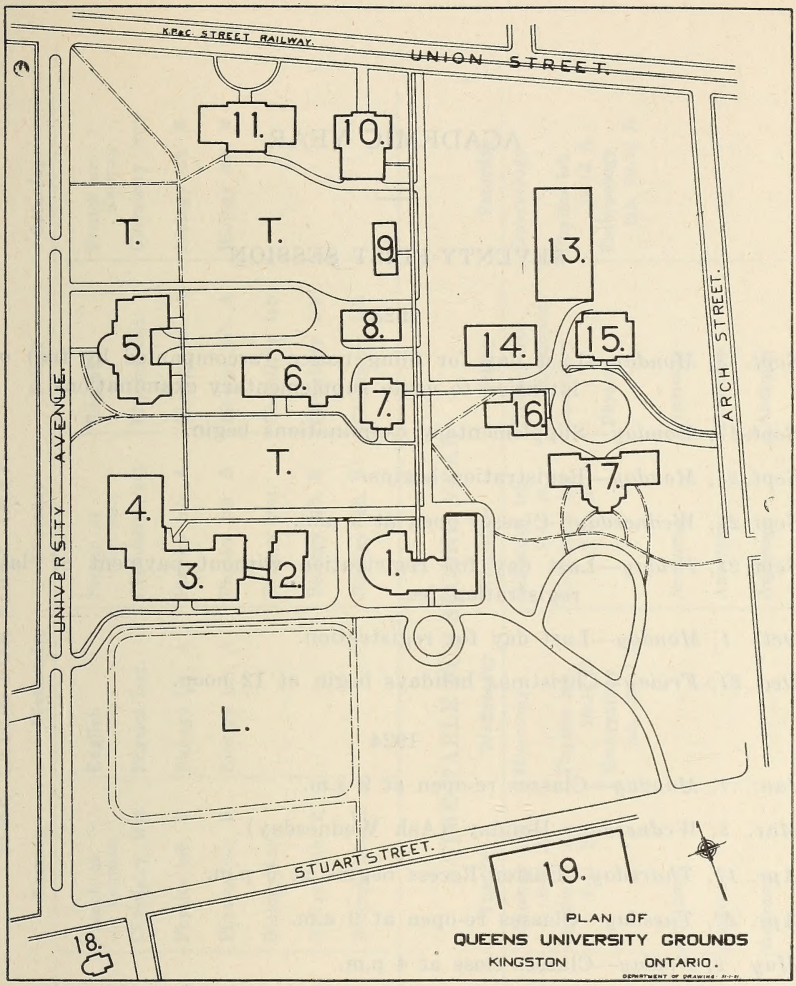
S	M	T	W	T	F	S
..	..	..	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	..
..	..	..	..	..	..	..

NOVEMBER

S	M	T	W	T	F	S
..	..	..	..	..	..	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	..	..	..	..	..	..

DECEMBER

S	M	T	W	T	F	S
..	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31	..	..	..
..	..	..	..	..	..	..



1, Theological Hall, containing on the first floor the offices of the Registrar and Treasurer, the Biological Laboratories, and the Museum; and on the second floor the Principal's Office, Convocation Hall, and the Library. 2, Cafeteria. 3, Kingston Hall or New Arts Building. 4, Grant Hall. 5, Ontario Hall (Physics, Geology, Mineralogy). 6, Fleming Hall (Electrical Engineering). 7, Carruthers Hall (Civil Engineering). 8, Mining Laboratory or the Mill. 9, Mechanical Laboratory. 10, Nicol Hall (Metallurgy). 11, Gordon Hall (Chemistry). 13, Skating Rink (the new rink fronts on Arch Street. 14, Gymnasium. 15, Medical Laboratories. 16, Medical Building. 17, Principal's Residence. 18, Observatory. 19, Kingston General Hospital. T, Tennis Courts. L, Small Athletic Field. The main Athletic Field with the Stadium is one block west of University Avenue.

ACADEMIC YEAR

SEVENTY-FIRST SESSION

1923

Sept. 3, Monday—Last day for filing notice (accompanied by fee) of intention to write supplementary examinations.

Sept. 17, Monday—Supplementary examinations begin.

Sept. 24, Monday—Registration begins.

Sept. 26, Wednesday—Classes open at 9 a.m.

Sept. 28, Friday—Last day for registration without payment of late registration fee.

Oct. 1, Monday—Last day for registration.

Dec. 21, Friday—Christmas holidays begin at 12 noon.

1924

Jan. 7, Monday—Classes re-open at 9 a.m.

Mar. 5, Wednesday—Holiday (Ash Wednesday).

Apr. 17, Thursday—Easter Recess begins at 5 p.m.

Apr. 22, Tuesday—Classes re-open at 9 a.m.

May 2, Friday—Classes close at 4 p.m.

May 5, Monday—Final examinations begin.

May 7, Wednesday — University Convocation for conferring Degrees upon graduates of the Faculties of Arts and Science.

May 28, Wednesday — Convocation for conferring Degrees and announcing Honours.

TIME TABLE FOR FIRST YEAR

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8-9	English	French or German	English	French or German	English	French or German
9-10	Physics lect.	Chemistry lect.	Physics lect.	Chemistry lect.	Physics lect.	Chemistry lect.
10-11	Biology lab. A	Physics lab. B	Biology lab. A	Physics lab. A	Biology lab. A	Biology lab B
11-12	Biology lab. A	Physics lab. B	Biology lab. A	Physics lab. A	Biology lab. A	Biology lab. B
1-2	Chemistry lab	Biology lect.		Biology lect.	Chemistry lab	
2-3	Chemistry lab	Biology lab. B		Biology lab. B	Chemistry lab	
3-4	Chemistry lab	Biology lab. B		Biology lab. B	Chemistry lab	

TIME TABLE FOR SECOND YEAR

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9-10	History and Economics	Histology lab. 9-11 A	Histology	Histology lab. 9-11 B	History and Economics	Embryology
10-11	Chemistry	Chemistry lab 9-11 B	Physics lab. 10-12 B	Chemistry lab 9-11 A	Chemistry	Physics lab. 10-12 A
11-12	Physics		Embryology lab. 10-12 A		Physics	Embryology lab. 10-12 B
1-2	Anatomy	Anatomy		Anatomy	Anatomy	
2-3	Anatomy	Anatomy		Anatomy	Anatomy	
3-4	Anatomy	Anatomy		Anatomy	Anatomy	

TIME TABLE FOR THIRD YEAR

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9-10	Anatomy Lect.		Bacteriology		Bacteriology	
10-11	Physiology	Anatomy	Anatomy 10-12 B	Anatomy 10_12 A	Physiology	Anatomy
11-12	Physiological Chemistry	Anatomy	Bacteriology 10-12 A	Bacteriology 10-12 B	Physiological Chemistry	Anatomy
1-2	Physiology 1-4 B	Bacteriology 1-3 B	Anatomy	Physiology 1-4 A	Bacteriology 1-3 A	
2-3	Physiological Chemistry 1-4 A	Physiological Chemistry 1-3 A	Anatomy	Physiological Chemistry 1-4 B	Physiological Chemistry 1-3 B	
3-4		Histology	Physiology		Anatomy Lect.	

TIME TABLE FOR FOURTH YEAR

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9-10	Pathology	Pathology	Clin. Medicine and	Minor Surgery	Prac. Pathology 9-11	Pathology
10-11	Surgery		Clin. Surgery 9-12	Clin. Medicine		Physiology
11-12	Mat. Medica	Pharmacology		Mat. Medica	Pharmacology	
1-2				Surgery	Clin. Microscopy	
2-3	Pharmacology 2-4 A	App. Anatomy	Psychology	Pharmacology 2-4 B	Clin. Microscopy lab. 2-4	
3-4	Bacteriology 2-4 B		App. Anatomy	Bacteriology 2-4 A		

TIME TABLE FOR FIFTH YEAR

ours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
-10	Eye, Ear, Nose and Throat	Hist. Medicine	Gynaecology	Eye, Ear, Nose and Throat	App. Anatomy	Clin. Medicine
-11	Clin. Medicine	Clin. Surgery	Clin. Medicine	Clin. Surgery	Clin. Surgery	Clin. Medicine
-12	Clin. Medicine	Clin. Surgery	Clin. Medicine	Clin. Surgery	Clin. Surgery	Conference
1-2	Obstetrics	Obstetrics	Jurisprudence	(Rockwood)	Case taking (Section)	
2-3	Pathology	Pathology	San. Science	Psychiatry	Clin. Medicine (Mowat)	
3-4	Pathology	Surgery	X-Ray	Clin. Medicine	(Section)	
4-5	App. Anatomy	San. Science		Gynaecology		

SUPPLEMENTAL EXAMINATIONS

September, 1923

Written Examinations

	9 a.m.	2 p.m.
Monday, Sept. 17	Chemistry (1st) Physiology (3rd) Gynaecology (4th and 5th)	Chemistry (2nd) English (1st) Obstetrics (4th & 5th)
Tuesday, Sept. 18	Anatomy (3rd) Biology (1st) Surgery (4th and 5th)	French or German (1st) Pathology (4th and 5th) Physics (2nd)
Wednesday, Sept. 19	Chemistry (3rd) Mental Diseases (5th) Physics (1st)	Embryology (2nd) Medicine (4th and 5th)
Thursday, Sept. 20	Bacteriology (3rd) Therapeutics (4th) Jurisprudence (5th)	Anatomy (2nd) Pediatrics (4th)
Friday, Sept. 21	Eye, Ear, Nose and Throat (4th and 5th) History (2nd)	Applied Anatomy (4th and 5th) Histology (2nd)
Saturday, Sept. 22	Economics (2nd) Psychology (4th) Preventive Medicine (5th)	

Clinical, oral and practical examinations are arranged by the Professors concerned.

MEDICAL EXAMINATIONS

May, 1924

Written Examinations

	9 a.m.	2 p.m.
Monday, May 5	Biology (1st) Gynaecology (5th)	Pathology (4th) Physics (2nd)
Tuesday, May 6	Pathology (5th)	Anatomy (3rd) Pharmacology (4th)
Wednesday, May 7	Chemistry (1st) Histology (2nd) Applied Anatomy (5th)	
Thursday, May 8	Physiology (3rd) Applied Anatomy (4th)	Eye, Ear, Nose and Throat (5th)
Friday, May 9	Physics (1st) Organic Chemistry (2nd)	Bacteriology (3rd)
Saturday, May 10	Medicine (4th) Obstetrics (5th)	
Monday, May 12	Anatomy (2nd) Medicine (5th)	Physiological Chemistry (3rd) Bacteriology (4th)
Tuesday, May 13	Jurisprudence (5th)	Histology (3rd)
Wednesday, May 14	Embryology (2nd) Surgery (4th and 5th)	
Thursday, May 15	Psychiatry (5th)	
Friday, May 16	Preventive Medicine (5th)	

Clinical, oral and practical examinations are arranged by the Professors concerned.

HISTORY OF THE UNIVERSITY

Queen's University owes its origin to the desire of the Synod of the Presbyterian Church in Canada in connection with the Church of Scotland for a ministry trained within the country. As early as 1832 the Provincial Government had been petitioned "to endow without delay an institution, or professorships, for the education and training of young men for the ministry in connection with the Synod." This and other representations failing of their object, steps were taken by the Synod to found a college at Kingston on the lines of the Scottish National Universities. On October 16, 1841, a Royal Charter was issued by Her Majesty Queen Victoria for the establishment of Queen's College, Kingston, and the first classes were opened in March, 1842, with the Rev. Dr. Liddell as Principal. Funds were provided in part by grants from the Presbyterian Church in Scotland, and from the Canadian Government, and in part by liberal subscriptions from the friends of the young and growing University. In 1867-68 the withdrawal of the Provincial grant, and the failure of the Commercial Bank, which swept away the greater part of the endowment, almost brought financial disaster. But the crisis was met by the determination of Principal Snodgrass and of other self-denying workers, chief among whom was Professor Mackerras. The country was canvassed for subscriptions, and as a result of the widespread interest aroused, $113,000 was added to the endowment.

In 1877 Principal Snodgrass was succeeded by the Rev. G. M. Grant who for a quarter of a century built with brilliant success upon the foundation laid by his predecessors. Under his guidance the University gained rapidly in size and prestige. In 1887, as the result of an effort in commemoration of the Queen's Jubilee, $250,000 was raised, resulting in further extension, and in the establishment of new professorships.

Principal Grant died in 1902, and was succeeded in the following year by the Very Rev. D. M. Gordon. In 1916, owing to ill-health, Principal Gordon resigned his position but continued in office until the autumn of 1917, when the Rev. R. Bruce Taylor, M.A., D.D., was appointed as his successor.

In 1854 the Medical Faculty of Queen's was established. It was re-organized in 1865 as the Royal College of Physicians and Surgeons in affiliation with the University, but in 1891 the original status was resumed. Excellent facilities for clinical work are provided in the

General Hospital, Hotel Dieu, Rockwood Hospital, and the Mowat Memorial Hospital.

Queen's led the way in co-education. As early as 1870 special classes in English and other subjects were formed for women, but courses leading to a degree were not thrown open to them until 1878-79. In 1880 co-education was extended to the medical course, and in 1883 a separate Women's Medical College was opened and affiliated with Queen's. It was closed, however, in 1894, as similar facilities were offered in Toronto and elsewhere.

The School of Mining was founded in 1893 under an Ontario Charter. For several sessions all its departments were housed in Carruthers Science Hall, which had been erected in 1889, but in view of the rapid growth of the School the Provincial Legislature in 1900 provided for its accommodation two large buildings, Ontario Hall for the Departments of Physics, Geology and Mineralogy and Fleming Hall for the Departments of Civil, Mechanical and Electrical Engineering. More recently the Provincial Government erected Gordon Hall, which is entirely used for the teaching of Chemistry, and, through the generosity of Professor Nicol and other graduates, Nicol Hall has been built to provide class rooms and laboratories for the Department of Mining and Metallurgy. The School of Mining, which since 1893 had been under the control of a separate Board, was in 1916 amalgamated with the University, and now constitutes its Faculty of Applied Science.

In 1907 the Ontario Government established at Queen's a Faculty of Education for the purpose of providing professional training for teachers in the secondary schools of the Province. In 1920, however, the work of the Faculty was discontinued because of the decision of the Government to extend the scope of the Normal Schools and to create in Toronto the Ontario College for Teachers.

There is now on the University Campus a stately group of buildings, comprising the Old Arts Building (now the Theological Building); Carruthers Hall (Civil Engineering); the New Arts Building, the gift of the city of Kingston; Grant Hall, erected by the students to the memory of the late Principal Grant; Ontario Hall (Physics, Mineralogy, and Geology); Fleming Hall (Mechanical and Electrical Engineering); Gordon Hall (Chemistry); Nicol Hall (Metallurgy); the Medical Building; the Medical Laboratories Building; the Gymnasium; and the Observatory. The Library, which contains about 95,000 volumes, is in the Old Arts Building. The late Chancellor of the University, Dr. James Douglas, donated $150,000 for a separate Library Building, and as the Ontario Government is providing an equal sum, a handsome new structure will be erected in the course of the present year.

Queen's University, though founded by a Church, was dedicated to the nation. As its constituency expanded, its constitution was gradually broadened until finally in 1912, as a result of an amicable arrangement between the Presbyterian Church and the trustees of the University, an act was passed by the Dominion Parliament removing the last vestige of denominational control.

The endowment of the University at present amounts to $1,791,495, of which about $900,000 was obtained in 1918-19. To this sum the late Chancellor Dr. Douglas contributed $500,000 and the Carnegie Corporation $250,000. In recent years the Province of Ontario has steadily increased its grants, and the annual income of the University, derived from all sources, is now almost $500,000. The registration of students has grown from 665 in 1900 to 2818 in the present session, and Queen's has become nation-wide in its work and influence.

GOVERNMENT AND ADMINISTRATION

The administration of the University is vested in the Board of Trustees, the University Council, the Senate, and the Faculty Boards.

THE BOARD OF TRUSTEES

The Board of Trustees consists of *ex-officio* and elective members. The former are the Chancellor, the Principal, and the Rector. The latter consist of (1) one representative from each affiliated college, (2) representatives as provided for by the Statutes from (*a*) the University Council, (*b*) the Benefactors, (*c*) the Graduates, and (3) members elected by the Board of Trustees.

The functions of the Board of Trustees are to manage the finances, to possess and care for the property, to procure legislation, to appoint instructors and other officers, and in general to attend to such external matters as do not relate directly to instruction.

THE UNIVERSITY COUNCIL

The University Council consists of the Chancellor, the Trustees, the members of the Senate, and an equal number of members elected by the Graduates from their own members.

The annual meeting of the Council is held on the Tuesday immediately preceding Convocation.

The Functions of the Council are:

(1) To elect the Chancellor, except when two or more candidates are nominated, in which case the election is by registered graduates.

(2) To elect six trustees, two of whom shall retire annually.

(3) To make by-laws governing the elections of (*a*) the Rector by the registered students, (*b*) four trustees by the benefactors, (*c*) six trustees by the University Council, (*d*) six trustees by the graduates.

(4) To discuss all questions relating to the University and its welfare.

(5) To make representation of its views to the Senate or the Board of Trustees.

(6) To decide on proposals for affiliation.

(7) To arrange all matters pertaining to (*a*) its own meetings and business, (*b*) the meetings and proceedings of Convocation, (*c*) the installation of the Chancellor, (*d*) the fees for membership, registration and voting.

THE SENATE

Until 1913 the Senate was composed of all the Professors, Associate Professors, and Assistant Professors on the staff of the University. It transacted all business relating to the work of instruction, the arrangement of classes, the conduct of examinations, and the award of standing, having charge in general of the internal administration of the University.

In 1913, however, Faculty Boards were created to relieve the Senate of much work which, owing to the growth of the University, had increasingly devolved upon it, and at the same time the Senate was made a representative body composed of certain members of the various Faculties.

The Senate consists of:

The Principal.
The Vice-Principal.
The Principal of Queen's Theological College.
The Dean of the Faculty of Arts.
The Dean of the Faculty of Medicine.
The Dean of the Faculty of Applied Science.
Three Professors elected by the Faculty of Arts.
Three Professors elected by the Faculty of Medicine.
Three Professors elected by the Faculty of Applied Science.
Two Professors elected by the Faculty of Queen's Theological College.

The functions of the Senate are:

(1) To determine all matters of an academic character which concern the University as a whole.

(2) To consider and determine all courses of study leading to a degrees, including conditions of Matriculation, on recommendation of the respective Faculty Boards; but the Senate shall not embody any changes without having previously presented these to the Faculty.

(3) To recommend to the Board of Trustees the establishment of any additional Faculty, Department, Chair, or Course of Instruction in the University.

(4) To be the medium of communication between the Alma Mater Society and the Governing Bodies.

(5) To determine all regulations regarding the social functions of the students within the University, and regarding the University Library and University Reading Rooms.

(6) To publish the University Calendar.

(7) To conduct examinations.

(8) To grant Degrees.

(9) To award University Scholarships, Medals, and Prizes.

(10) To enforce the Statutes, Rules, and Ordinances of the University.

(11) To make such recommendations to the Governing Boards as may be deemed expedient for promoting the interests of the University.

THE FACULTY BOARDS

The Faculty Boards are constituted as follows:

For the Faculty of Arts and for the Faculty of Applied Science, the Dean, Professors, Associate Professors, Assistant Professors, and Lecturers of each Faculty have power to meet as separate boards, and to administer the affairs of each Faculty under such regulations as the Board of Trustees may prescribe.

For the Faculty of Medicine, the Dean, Professors, Associate Professors, and Assistant Professors have power to meet, as a separate board, and to administer the affairs of the Faculty under such regulations as the Board of Trustees may prescribe.

The Principal is *ex-officio* president and a member of each of the foregoing Faculty Boards.

The Functions of the Faculty Boards are:

(1) To recommend to the Senate courses of study leading to a degree, and the conditions of admission.

(2) To decide upon applications for admission or for change of course, subject to the regulations of the Senate.

(3) To submit to the Senate names for both ordinary and honorary degrees.

(4) To arrange the time-table for classes and to edit the Faculty Calendar, subject to the approval of the Senate.

(5) To control registration, and determine the amount of fees and manner of payment, subject to the regulations of the Senate.

(6) To deal with class failures.

(7) To exercise academic supervision over students.

(8) To make such recommendations to the Senate as may be deemed expedient for promoting the efficiency of the University.

(9) To award Faculty Scholarships, Medals, and Prizes.

(10) To appoint such sessional assistants, fellows, tutors, and demonstrators as shall be needed to give instruction in the subjects taught by the Faculty.

(11) To pass such regulations and by-laws as may be necessary for the exercises of the functions of the Faculty.

OFFICERS OF ADMINISTRATION

CHANCELLOR
E. W. Beatty, B.A., K.C.

PRINCIPAL and VICE-CHANCELLOR
R. Bruce Taylor, M.A., D.D., LL.D.

PRINCIPAL EMERITUS
Very Rev. D. M. Gordon, D.D., LL.D., C.M.G.

RECTOR
A. E. Ross, B.A., M.D., LL.D., M.P., C.M.G.

VICE-PRINCIPAL
John Watson, M.A., LL.D., D.D., D.Litt.

REGISTRAR AND TREASURER
W. E. McNeill, M.A., Ph.D.

DEPUTY REGISTRAR
Alice King

THE BOARD OF TRUSTEES

Chairman
W. F. Nickle, B.A., K.C., M.P.P.

Secretary
W. E. McNeill, M.A., Ph.D.

Ex-officio Members

E. W. Beatty, B.A., K.C. ..... Chancellor
R. Bruce Taylor, M.A., D.D. ..... Principal
A. E. Ross, B.A., M.D., LL.D., C.M.G. ..... Rector

Elective Members
Retire 1923

Rev. D. R. Drummond, M.A., D.D.[6] ..... Hamilton
Senator A. C. Hardy, Esq.[6] ..... Brockville
A. J. Meiklejohn, B.A.[6] ..... Montreal, P.Q.

Retire 1924

R. Crawford, B.A.[4] ..... Kingston
Principal S. W. Dyde, M.A., D.D., D.Sc., LL.D.[5] ..... Kingston
Very Rev. W. T. Herridge, D.D.[6] ..... Ottawa
A. P. Knight, M.A., M.D., F.R.S.C.[2] ..... Kingston
Judge H .A. Lavell, B.A.[3] ..... Kingston
Hon. Mr. Justice W. A. Logie, M.A., LL.B.[6] ..... Toronto
J. A. Minnes, Esq.[1] ..... Kingston
Hon. Mr. Justice H. M. Mowat, B.A., LL.B.[1] ..... Toronto
M. J. O'Brien, Esq.[4] ..... Renfrew
James Richardson, Esq.[6] ..... Winnipeg, Man.
Sir J. S. Willison, LL.D.[3] ..... Toronto

Retire 1925

H. A. Calvin, Esq.[2] ..... Kingston
James Cappon, M.A., LL.D., F.R.S.C.[3] ..... Kingston
J. M. Farrell, B.A.[3] ..... Kingston
R. E. Kent, Esq.[4] ..... Kingston
Alexander Longwell, B.A., B.Sc.[1] ..... Toronto
D. M. McIntyre, LL.D., K.C.[1] ..... Toronto
J. M. Macdonnell, M.A.[7] ..... Montreal
Very Rev. M. Macgillivray, M.A., D.D.[6] ..... Kingston
R. A. Stapells, Esq.[6] ..... Toronto

Retire 1926

Hamilton Cassels, K.C., LL.D.[6] ..... Toronto
Very Rev. D. M. Gordon, D.D., LL.D., C.M.G.[2] ..... Kingston
Andrew Haydon, M.A.[6] ..... Ottawa
G. F. Henderson, B.A., K.C.[2] ..... Ottawa
J. G. Macphail, B.A., B.Sc.[3] ..... Ottawa
W. G. Miller, B.A., LL.D.[7] ..... Toronto
W. F. Nickle, B.A., K.C., M.P.P.[1] ..... Kingston
E. R. Peacock, M.A.[6] ..... London, Eng.
W. H. Rankin, M.D.[1] ..... Brooklyn, N.Y.
Adam Shortt, M.A., LL.D., C.M.G.[3] ..... Ottawa

---

[1]Elected by the University Council.
[2]Elected by the Benefactors.
[3]Elected by the Graduates.
[4]Elected by the Board of Trustees to represent the Faculty of Applied Science.
[5]Elected by the Faculty of Queen's Theological College.
[6]Elected by the Board of Trustees from among its own members.
[7]Elected by the Benefactors to represent the Faculty of Applied Science.

THE UNIVERSITY COUNCIL

Registrar

J. M. FARRELL, B.A.

Ex-officio Members

THE CHANCELLOR

THE PRINCIPAL

THE MEMBERS OF THE BOARD OF TRUSTEES

THE MEMBERS OF THE SENATE

Elective Members

Retire 1924

E. A. COLLINS, B.Sc. ..... Copper Cliff
REV. EBER CRUMMY, B.Sc., D.D. ..... Red Deer, Alta.
A. B. CUNNINGHAM, B.A. ..... Kingston
A. J. MEIKLEJOHN, B.A. ..... Montreal
J. A. MINNES, ESQ. ..... Kingston
R. S. MINNES, M.A., M.D. ..... Ottawa
MISS MARION REDDEN, B.A. ..... Kingston
R. O. SWEEZEY, B.Sc. ..... Montreal

Retire 1925

REV. J. A. DONNELL, M.A. ..... Saskatoon, Sask.
JOHN DONNELLY, E.M. ..... Kingston
W. C. DOWSLEY, M.A. ..... Brockville
MRS. H. A. LAVELL, B.A. ..... Kingston
HON. MR. JUSTICE H. M. MOWAT, B.A., LL.B., K.C. ..... Toronto
F. J. POPE, M.A., Ph.D. ..... New Rochelle, N.Y.
REV. JAS. WALLACE, M.A., B.D., M.D., C.M. ..... Cambridge, Mass.

Retire 1926

H. A. CALVIN, ESQ. ..... Kingston
E. T. CORKILL, B.Sc., M.E. ..... Copper Cliff
JUDGE A. G. FARRELL, B.A. ..... Regina, Sask.
PRINCIPAL W. L. GRANT, M.A. ..... Toronto
C. F. HAMILTON, M.A. ..... Ottawa
ALEXANDER LONGWELL, B.A., B.Sc. ..... Toronto
REV. J. W. MCINTOSH, M.A. ..... Prince Albert, Sask.
MISS EDNA POOLE, B.A. ..... Toronto

Retire 1927

Rev. Jas. Binnie, M.A., B.D. ..... Parry Sound
H. M. Bryan, M.A. ..... Renfrew
D. D. Calvin, B.A. ..... Toronto
T. H. Farrell, M.A., M.D. ..... Utica, N.Y.
A. Haydon, M.A., LL.B. ..... Ottawa
Francis King, M.A., K.C. ..... Kingston
D. H. Laird, M.A., K.C. ..... Winnipeg, Man.
W. F. Nickle, B.A., K.C. ..... Kingston
Miss Victoria Reid, B.A., M.D. ..... Toronto

Retire 1928

R. W. Brock, M.A. ..... Vancouver
R. H. Cowley, M.A. ..... Toronto
Judge E. B. Fraleck, B.A. ..... Belleville
C. Laidlaw, B.A., M.D. ..... Ottawa
J. M. Macdonnell, M.A. ..... Montreal, P.Q.
Rev. D. McTavish, M.A., D.D.Sc. ..... Toronto
W. H. Rankin, M.D. ..... Brooklyn
E. J. Williams, B.A., M.D. ..... Brockville

Retire 1929

F. Etherington, M.D., C.M.G. ..... Kingston
George A. Guess, M.A. ..... Kingston
Dennis Jordan, B.A., M.D. ..... Toronto
Rev. N. M. Leckie, B.A., B.D. ..... St. Mary's
Mrs. J. Macgillivray, M.A. ..... Kingston
D. M. McIntyre, M.A., K.C. ..... Toronto
W. S. Morden, B.A., LL.D. ..... Toronto
Rev. James H. Turnbull, M.A. ..... Toronto

THE SENATE

Ex-officio Members

R. Bruce Taylor, M.A., D.D., LL.D. ..... Principal
John Watson, M.A., D.D., LL.D. ..... Vice-Principal
O. D. Skelton, M.A., Ph.D. ..... Dean of the Faculty of Arts
A. L. Clark, M.A., Ph.D. ..... Dean of the Faculty of Applied Science
J. C. Connell, M.A., M.D. ..... Dean of the Faculty of Medicine
Rev. S. W. Dyde, M.A., D.D. ..... Principal of Queen's Theological College

Elective Members

The Faculty of Arts

W. T. MacClement, M.A., D.Sc. ..... Retires 1924
R. O. Jolliffe, M.A., Ph.D. ..... Retires 1925
D. A. McArthur, M.A. ..... Retires 1926

The Faculty of Applied Science

W. P. Wilgar, B.Sc. ..... Retires 1924
L. M. Arkley, M.Sc. ..... Retires 1925
S. N. Graham, B.Sc. ..... Retires 1926

The Faculty of Medicine

G. Spencer Melvin, M.D. ..... Retires 1924
G. B. Reed, B.S., Ph.D. ..... Retires 1924
J. F. Sparks, B.A., M.D. ..... Retires 1924

The Faculty of Queen's Theological College

Rev. W. G. Jordan, B.A., D.D. ..... Retires 1924
Rev. Wm. Morgan, M.A., D.D. ..... Retires 1925

EMERITUS PROFESSORS

W. G. Anglin, M.D., C.M., M.R.C.S., Eng.
Emeritus Professor of Clinical Surgery,
52 Earl Street

R. W. Garrett, M.A., M.D.
Emeritus Professor of Obstetrics and Gynaecology
52 Johnson Street

A. P. Knight, M.A., M.D. (Toronto), F.R.S.C.,
Emeritus Professor of Physiology
Alice Street

James Third, M.D. (Toronto), M.D., C.M. (Trinity)
Emeritus Professor of Medicine
Wellington Street

OFFICERS OF INSTRUCTION

L. J. Austin, M.Ch. (Cantab.), F.R.C.S., Eng.
Professor of Clinical Surgery
84 Barrie Street

A. L. Clark, B.Sc., Ph.D. (Clark), F.R.S.C.,
Professor of Physics and Dean of the Faculty of Applied Science
200 Albert Street

J. C. Connell, M.A., M.D.,
Professor of Ophthalmology, Otology, Laryngology and Rhinology, and Dean of the Faculty
265 King Street

W. T. Connell, M.D., M.R.C.S., Eng., L.R.C.P., London
Professor of Medicine and Clinical Medicine
11 Arch Street

J. R. Currie, M.A. (Oxon), M.D. (Glasgow), L.R.C.P.Ed., D.P.H.
Professor of Preventive Medicine
123 King Street

A. P. Lothrop, M.A., Ph.D. (Columbia)
Professor of Biological Chemistry
82 Beverly Street

G. S. Melvin, M.D. (Aberdeen)
Professor of Physiology
Union Street

James Miller, B.Sc., M.D. (Edinburgh), D.Sc. (Birmingham), F.R.C.P.Ed., F.R.S.C.
Professor of Pathology
91 Albert Street

D. E. Mundell, B.A., M.D., F.A.C.S.
Professor of the Principles and Practice of Surgery
78 Barrie Street

G. W. Mylks, M.D., F.A.C.S.,
Professor of Gynaecology
122 Wellington Street

W. T. MacClement, M.A., D.Sc. (Armour Institute)
The John Roberts Allan Professor of Botany
University Grounds

G. B. Reed, B.Sc., Ph.D. (Harvard)
Professor of Bacteriology
218 Albert Street

EDWARD RYAN, B.A., M.D., C.M.
Professor of Psychiatry and Associate Professor of Surgery.
Rockwood Hospital

A. R. B. WILLIAMSON, M.A., M.D., M.R.C.S., Eng., L.R.C.P., London
Professor of Obstetrics and Secretary of the Faculty
240 King Street

D. C. MATHESON, M.B.,
Acting Professor of Anatomy
187 Brock Street

I. G. BOGART, M.D., C.M.
Associate Professor of Surgery
102 Wellington Street

WM. GIBSON, M.D.
Associate Professor of Medicine
85 William Street

E. C. D. MACCALLUM, M.D., C.M. (McGill),
Associate Professor of Medicine
302 Barrie Street

J. K. ROBERTSON, M.A. (Toronto)
Associate Professor of Physics
105 Albert Street

R. J. GARDINER, M.D., C.M.
Assistant Professor of Surgery
68 Johnson Street

S. J. KEYES, M.D., C.M.
Assistant Professor of Surgery and Lecturer in Anesthetics.
255 Queen Street

T. R. LITTLE, M.D., C.M.
Assistant Professor of Pathology
95 Clergy Street, West

R. R. MACGREGOR, M.D., C.M.,
Assistant Professor of Medicine
142 Wellington Street

J. P. QUIGLEY, M.A., M.D., M.R.C.S., Eng., L.R.C.P., London
Assistant Professor of Materia Medica, Lecturer in Electro-therapeutics and Radiographer
197 Johnson Street

J. F. SPARKS, B.A., M.D., C.M.
Assistant Professor of Surgery and Applied Anatomy
100 Wellington Street.

W. V. BALL, B.A.Sc. (Toronto)
Lecturer in Physics
College Street.

H. A. Boyce, M.D., C.M., M.R.C.P., London
Lecturer in Jurisprudence and Clinical Assistant in Medicine
146 Wellington Street

F. A. Cays, M.D., C.M.
Lecturer in Eye, Ear, Nose and Throat
124 Wellington Street

R. L. Dorrance, M.A. (Toronto)
Lecturer in Chemistry
187 Johnson Street

G. H. Ettinger, B.A., M.D., C.M.
Lecturer in Physiology and Embryology
Edge Hill

J. M. Farrell, B.A., Police Magistrate, City of Kingston
Lecturer in Medical Jurisprudence and Toxicology
36 Barrie Street

W. D. Hay, M.A., M.D., C.M.
Lecturer in Serology
Stuart Street.

Bruce H. Hopkins, M.B. (Toronto)
Lecturer in Medicine
King Street.

H. C. White, B.A.
Lecturer in Biology
20 Stuart Street

Hendry C. Connell, B.A., M.D., C.M.
Clinical Assistant in Eye, Ear, Nose and Throat
265 King Street

T. D. Cumberland, M.B. (Toronto)
Clinical Assistant in Psychiatry
Rockwood Hospital

W. A. Jones, M.D. (Western)
Clinical Assistant in Medicine and Historian
251 University Avenue

F. J. O'Connor, M.D., C.M.
Clinical Assistant in Obstetrics and Fellow in Anatomy
193 Earl Street

H. S. Angrove, M.D., C.M.
Fellow in Anatomy
180 Bagot Street

C. W. Bennett, M.D., C.M.
Fellow in Physiology
133 Clergy Street, East.

J. E. KANE, M.D., C.M.
Demonstrator of Anatomy
136 Wellington Street

T. A. V. CAREY
Assistant in Chemistry

A. G. HAMILTON, B.Sc.
Assistant in Organic Chemistry

G. W. HUDSON, B.Sc.
Assistant in Physics

A. L. KUEHNER
Assistant in Chemistry

A. M. LE BEAU
Assistant in Chemistry

R. J. SINCLAIR
Assistant in Biology

MISS JESSIE GORDON
Librarian and Assistant Secretary
240 Alfred Street

J. G. BEWS
Physical Instructor
College Street.

PROFESSORS OF THE FACULTY OF ARTS GIVING INSTRUCTION TO STUDENTS IN THE FACULTY OF MEDICINE

J. MACGILLIVRAY, B.A., Ph.D. (Leipsic)
Professor of German Language and Literature
96 Albert Street

H. ALEXANDER, M.A. (Oxon)
Assistant Professor of English
William Street.

C. A. ASHLEY, B.Com. (Birmingham), A.C.A. (England)
Assistant Professor of Economics
5 Wellington Street.

R. O. EARL, B.A. (Queen's)
Assistant Professor of Biology
23 Mack Street.

A. E. PRINCE, M.A. (Manchester)
Assistant Professor of History
35 Aberdeen Street

J. A. ROY, M.A. (Edinburgh)
Assistant Professor of English
115 William Street.

N. J. SYMONS, M.A. (Oxon)
Assistant Professor of Philosophy
64 Lower Union Street

L. A. BISSON, M.A. (Oxon)
Lecturer in French
Queen's University.

EQUIPMENT AND SPECIAL FACILITIES

THE LABORATORIES

THE BIOLOGICAL LABORATORIES

The laboratory work in General Biology is conducted in the new laboratory on the ground floor of the Medical Building; this laboratory is equipped with all the supplies necessary for the study of the simpler forms of life and is provided with a separate locker for each student. The laboratory for Experimental Physiology occupies the west end of the second floor of the Medical Laboratories Building and has all appliances necessary for 50 students working at one time. The classes in Histology and Embryology are conducted in the laboratory on the second floor at the east end of Laboratories Building; accommodations for 120 students are available.

THE CHEMICAL LABORATORIES

The Chemical Laboratories are situated in Gordon Hall, which was opened for occupancy in the autumn of 1911. This building is devoted entirely to work in Chemistry, and is thoroughly modern in every detail. There is a large lecture amphitheatre situated on the third floor with a seating capacity of 216, and two small lecture rooms on the first floor. On the third floor are two laboratories for General Chemistry, one for Biological Chemistry, and one for Electro-Analysis. On the second floor are two for Quantitative Analysis, one for Organic Chemistry, one for Food and Water Analysis, and one (not yet equipped) for whatever future development demands. On the first floor are three for Qualitative Analysis, one for Industrial Chemistry, one for Physical Chemistry, one for Gas Analysis, one for Spectroscopy, and one dark room for Photography. Besides these there are small separate laboratories for research work, organic combustion work, etc. Each member of the permanent staff has his own office and laboratory where he may carry on his private investigations. A centrally located set of supply and store rooms is provided with electric elevator connection. A well-lighted library, equipped for both undergraduate and post-graduate study, is situated on the second floor.

A double system of ventilation is provided, one for noxious fumes and the other for general ventilation. A special equipment, automatically operated, is provided for compressed air, as well as a low pressure system. Both high and low pressure steam is provided in the majority of the laboratories, and electricity for heating and motor purposes is available throughout the building.

THE PHYSICAL LABORATORIES

The Physical Laboratories are situated in the southern half of Ontario Hall. There is a large, well equipped lecture room with seating capacity of 125 on the second floor, and a small lecture and class room on the first floor. Two of the large rooms on the first floor are devoted to the more elementary laboratory work of the first and second years and a commodious room on the second floor is arranged as an electrical laboratory for advanced work. Various smaller rooms are fitted for special purposes. One of them is for work in Physical Optics—Spectrometry, Polarimetry, and Spectroscopy. Another is well equipped as a dark room for Photography. A third is arranged for X-ray and photometric work. Other rooms are used as private laboratories, offices, apparatus rooms, and store rooms. The library and reading room is a large well lighted room on the second floor.

THE MEDICAL BUILDINGS

The Medical Building, erected in 1858, has been enlarged and improved. The upper floor is devoted to the study of Anatomy, and has two large dissecting rooms, a lecture room and rooms for private demonstrations and an anatomical museum. The laboratory classes in General Biology and Pharmacology are also conducted in the building.

The classes in the subjects of Physiology, Histology, Embryology, Pathology, Preventive Medicine, and Bacteriology are conducted in the Medical Laboratories Building. The Professor of Pathology is also the Bacteriologist to the Provincial Board of Health, and examinations of various pathological products are constantly being made in the laboratories. The laboratories are open for research work.

THE HOSPITALS

The Kingston General Hospital is adjacent to the University buildings. It contains 230 beds, and in addition to wards for medical and surgical cases there are various special departments to which students have access. The Nickle wing accommodates infectious diseases. The Doran building is reserved for obstetrical and gynæcological cases and contains an operating room specially arranged for this work. In the main building, the Fenwick operating room built in amphitheatre style on modern plans, will seat 100 students, and affords every facility for observing surgical operations. There is also a private operating room in the main building. The Empire Wing contains a large class room suitable for autop-

sies, a pathological and chemical laboratory, X-ray rooms and accommodation for about seventy private patients. In the General Hospital about 3,000 patients are treated annually.

Plans have been completed for the reconstruction and reorganization of the Kingston General Hospital and building operations are now in progress. It is expected that about $1,000,000 will be spent within the next few years in carrying out the project. The Infectious Diseases Building is nearing completion and construction of the new Clinic Building will be started during the summer of 1923.

The Hotel Dieu Hospital was founded in 1840. The commodious structures now occupied were rebuilt in 1892. Two hundred patients can be accommodated. The operating room is thoroughly equipped with modern facilities. During the year patients to the number of about 1,800 are admitted.

Rockwood Hospital for the Insane is also open to students. It contains about 600 patients. The lectures in Mental Diseases are held in the Hospital, as well as many clinics, operations and post-mortems.

The Oliver Mowat Memorial Hospital for Tuberculosis is thoroughly equipped in accordance with the latest methods of treatment of that disease, and affords ample means to the students for the study of the prevention and cure of tuberculosis.

THE MUSEUM

The Pathological Museum contains numerous valuable specimens collected both from hospital and private practice. A catalogue has been compiled and is accessible for use in study of the specimens. Contributions of morbid specimens will be gladly received from practitioners.

The Museum has recently been considerably enlarged. It now contains nearly 2,000 specimens, the majority of which are mounted in accordance with modern methods for preserving colour.

THE MEDICAL LIBRARY

The Medical library is in the main Medical building and is entirely separate from the general library of the University. The Librarian is a member of the Association of Medical Librarians, which has for its object the fostering of medical libraries and the maintenance of exchange of medical literature. The reading room is provided with the leading medical and surgical publications, and is open to students daily throughout the session (Saturdays excepted) from 2 to 5 p.m.

THE UNIVERSITY LIBRARY

The University Library contains about 95,000 volumes, besides many thousand pamphlets. Extensive additions have been made during the past few years in all departments. The Canadian section contains many rare and interesting works and valuable historical documents, and is particularly well equipped for research studies.

A large collection of magazines, periodicals, and other publications in all departments, including the journals and transactions of the principal societies, are available in the Library. In most cases these are complete from the first issue and are kept up to date by the annual additions. In the main consulting room adjoining the Library, increased facilities for work have been afforded the students by the addition of several hundred books of reference, dictionaries, encyclopædias, etc., and by the throwing open of the Consulting Library throughout the entire day and evening. An assistant librarian, of whom inquiries regarding the books may be made, is always present at the reference desk in this room. The present cramped conditions will be relieved in the near future by the erection of a commodious building.

The Library is open daily, except Sundays, from 9 a.m. to 4.30 p.m. The Reference Library and Reading Room adjoining the Main Library is open from 9 a.m. to 6 p.m. and from 7.30 to 9.30 p.m.

POST GRADUATE LECTURES

For the benefit of the local practitioners and senior students a course of special lectures is arranged each winter session. The subjects dealt with are those of importance to the practising doctor and are taken up by men who have made a special study of them.

The syllabus for the session of 1922-23 was as follows:

Oct. 30—Dr. L. J. Austin, *Carcinoma of the breast.*

Nov. 10—Dr. A. E. Ross, *Medical legislation, prospective and retrospective.*

Nov. 24—Professor V. C. Henderson, Professor of Pharmacology, University of Toronto, *The movements of the intestinal canal and the action of drugs thereon.*

Dec. 8—Dr. J. R. Currie, *Town water supplies.*

Dec. 15—Dr. W. T. Connell, *Arteriosclerosis and hypertension.*

Jan. 5—Dr. Edward Ryan, *Some early manifestations of the mentally defective.*

Jan. 19—Professor J. J. R. Macleod, Professor of Physiology, University of Toronto, *The pancreas and diabetes.*

Feb. 2—Dr. James Miller, *The pathology of appendicitis.*

Feb. 16—Dr. E. C. D. MacCallum, *Diseases of the pituitary gland.*

March 2—Professor G. S. Melvin, *The autonomic nervous system.*

March 16—Dr. J. A. MacGregor, Professor of Medicine, Western University, *Advanced myocardial lesions.*

April 13—Professor A. P. Lothrop, *Vitamins and the deficiency diseases.*

April 20—Dr. W. D. Hay, *Rickettsia.*

GENERAL INFORMATION

ADMISSION OF STUDENTS

The number of students admitted to the classes of the first year is limited and prospective matriculants should make formal application for admission on forms obtainable from the Secretary of the Faculty. These applications should be in the hands of the Secretary not later than September 1st. Applicants will be notified of the decision of the Committee on Admissions as soon as possible after that date. Only under special circumstances will applications be considered *after* September 1st.

Men alone are admitted.

Matriculation requirements must be completed before admission.

Candidates for a degree must pass the Arts Matriculation of the University or its equivalent unless they hold the degree of Bachelor of Arts from any recognized University.

Candidates from Provinces of Canada other than Ontario must present certificates of a standard equivalent to that required for students from the Province of Ontario; or must have passed the matriculation examinations prescribed by the Medical Council of any Province and have registered with the Medical Board as a medical student in that Province.

Prospective matriculants must submit with their applications for admission the certificates on which they claim standing.

Teachers' examinations are accepted *pro tanto* in lieu of the Matriculation Examinations, *i.e.*, in so far as the subjects correspond as follows:—

Alberta	Grade XI.
British Columbia	Intermediate.
Manitoba	Second Class.
New Brunswick	First Class Teachers' License.
Newfoundland	Intermediate (50% required).
Nova Scotia	Grade XI (average 60, minimum 50).
Ontario	Entrance to Normal School.
Prince Edward Island	Honour Diploma or First Class License or Second Year Certificate of Prince of Wales College.
Quebec	The University School Leaving or Model School Diploma (under certain conditions).
Saskatchewan	Second Class.

Candidates who matriculate in any University in the British Empire may be allowed to enter upon a course without further examination, and matriculation examinations from Universities in other countries may be accepted *pro tanto* at the discretion of the Faculty.

Graduates in Arts, who have taken in their Arts course the subjects of Physics, Biology, and Chemistry, including Qualitative Analysis, will receive advanced standing with credit for the work done in Arts so far as it applies to the medical course. The course in Medicine may thus be completed in five years instead of six. If the subjects of Organic Chemistry, Physiology, Histology, and Embryology have also been included, the course in Medicine may be completed in four years. There is a special course in the Faculty of Arts in which the degrees of B.A. and M.D. may be obtained in seven years (page 35).

MATRICULATION EXAMINATIONS

The Matriculation examinations are conducted for the Universities of Ontario by the University Matriculation Board. They are held in June of each year at the Universities and at each High School and Collegiate Institute in Ontario and at such other centres as may be approved by the Board. If application is made to the University Senate, the examination may be held at suitable centres outside of Ontario.

The Secretary of the University Matriculation Board, R. W. Anglin, M.A., Parliament Buildings, Toronto, will furnish on request, the official circular which contains full information concerning dates, fees, standards, curriculum, and examination centres. The University also publishes an announcement containing all particulars regarding Matriculation which may be obtained from the Registrar of the University.

REGISTRATION

Students, not registering *in person* on or before September 28, must pay the fee for late registration and no student will be allowed to register in the Faculty of Medicine after the first of October.

At the time of registration students who claim exemptions must present to the Secretary certificates giving an exact statement of the exemptions to which they are entitled.

A student who has attended the course of instruction in any year will be required to complete the examinations for that year before he will be permitted to register in the succeeding year.

No student may repeat more than one year during his course without the permission of the Faculty.

CURRICULUM

Candidates for the degree of M.D., C.M., must complete a period of six years' study, comprising six sessions of eight months each.

Regular attendance on full courses of instruction is required in the following subjects of study:—

Six Year Course

1st Year:—Biology, Chemistry, Physics, English, French or German.

2nd Year:—Anatomy, Organic Chemistry, Histology, Embryology, Physics, History and Economics.

3rd Year:—Anatomy, Physiology, Histology, Physiological Chemistry, Bacteriology.

4th Year:—Pathology, Materia Medica, Pharmacology, Bacteriology, Applied Anatomy, Surgery, Medicine, Clinical Microscopy, Psychology.

Five Year Course

5th Year:—Surgery, Medicine (including Therapeutics), Obstetrics, Gynæcology (Clinical), Pathology (Applied), Eye, Ear, Nose and Throat, Preventive Medicine, Psychiatry, Medical Jurisprudence, History of Medicine, Applied Anatomy.

Certificates of attendance on lectures may be accepted from incorporated medical schools in the British Dominions and others recognized by British Universities and licensing bodies. Other certificates of attendance on lectures and examinations may be accepted at the discretion of the faculty.

COMBINED B.A. AND M.D. COURSE

Students in Arts, having the study of Medicine in view, may take the following course and thus obtain the B.A. and M.D. degrees in seven years:—

Year I

English 1
French or German 1*
Mathematics 1
Chemistry 1
Physics 1

Year II

English 2
French 2*
German 2* — any one.
Latin 1
Physics (2nd year Medical)
Chemistry 2
Biology (1st year Medical)

Year III

Organic Chemistry A 21
Histology
Embryology
Anatomy 1
Economics 2, German 2, History 1, History 16 — any one.

Year IV

Physiological Chemistry
Physiology
Anatomy 2
Bacteriology
Histology (review class)
Economics 25a, 56b; History 2; French 1; German 1; English 22a, 24b — any one full course.

Year V

Psychology
(Medical subjects of the 4th year)

The classes named above qualify for the degree of B.A. which is conferred at the completion of the fifth year's work. For the degree of M.D. the candidate must take in addition the fifth and sixth years of the regular course in the Medical School.

Students taking this course are required to register for the first two years in Arts, paying the class, laboratory and registration fees in Arts; in the third and fourth years to register both in Arts and Medicine and pay the registration fee in Arts and the full fees in Medicine, and for the last three years to register and pay the full fees in Medicine.

Candidates for the degrees of B.A. and M.D. in the combined course should indicate that fact upon their *first* registration in Arts

The classes of the first and second years only may be taken extra-murally but the laboratory work in Physics, Chemistry and Biology must be taken in the University.

*A fully matriculated student desiring to begin another language may offer the preparatory and first year courses in one of these languages instead of courses 1 and 2 in his matriculation languages.

Arts classes are subject to the regulations in the Arts calendar, and the classes in Medicine to the regulations in the Medical calendar. A minimum of forty per cent. in the Arts subjects and of fifty per cent. in the Medical subjects is required, and in addition a standing of at least fifty-five per cent. must be attained in half of the subjects counting for the degree of B.A.

EXAMINATIONS AND GRADUATION

Examinations are held in all subjects at the end of the fall term.

Students must attend a minimum of 80 per cent. of the lectures and laboratory exercises in the subjects for which they are registered to be admitted to the final examinations in those subjects.

A minimum of fifty per cent. in each subject is required to pass.

Students in the first year failing in a majority of subjects at the Christmas examinations may be requested to withdraw from the University at the discretion of the Faculty.

Students in the first year failing in a majority of the subjects at the Spring Examinations will be required to withdraw from the University. Students in other years failing in a majority of the subjects of the year at the Spring Examinations will be required to repeat their attendance in all the courses of the year before being allowed to again present themselves for examination.

Candidates who pass in a majority of the subjects required at the annual examinations at the end of the First, Second and Third years and in all but three subjects at the end of the Fourth and Fifth years, may present themselves at the supplemental examinations next ensuing in the subjects in which they fail. On passing such examinations they will be allowed their year.

A candidate will not be admitted to an examination unless he has paid all University fees.

Examinations

Examinations are required at the end of every session as follows:—

Six Year Course

At the end of the first session:—

Biology, Chemistry, Physics, English, French or German.

At the end of the second session:—

Anatomy, Organic Chemistry, Physics, Histology, Embryology, History and Economics.

At the end of the third session:—

Anatomy, Physiology, Histology, Physiological Chemistry, Bacteriology.

At the end of the fourth session:—

Pathology, Pharmacology (including Materia Medica), Applied Anatomy, Surgery, Medicine, Bacteriology, Psychology.

Five Year Course

At the end of the fifth session:—

Surgery, Medicine, Gynaecology, Obstetrics, Pathology, Eye, Ear, Nose and Throat, Preventive Medicine, Medical Jurisprudence, Psychiatry, Applied Anatomy.

Equivalent Examinations

The following courses and examinations in Arts will be accepted in Medicine:—

Arts	Medicine
1. Courses and examinations in Biology 1 and 2.	1. Course and examination in first year Biology.
2. Courses and examinations in General Chemistry and Qualitative Analysis.	2. Course and examination in first year Chemistry.
3. Course and examination in Organic Chemistry.	3. Course and examination in second year Chemistry.
4. Course and examination in Physics 1 in Arts or Science.	4. Course and examination in first year Physics.
5. Course and examination in Physics 2.	5. Attendance on Lectures until Christmas, in Second Year Physics.
6. Course and examination in English 1 (Arts or Science class).	6. Course and examination in English.
7. Course and examination in French 1 or German 1.	7. Course and examination in French or German.

The courses in Chemistry and Physics must be taken in the University; the classes will not be allowed to holders of certificates of Honour Matriculation.

FEES

Sessional Fee, if paid in full on registration	$125 00
Sessional Fee, if paid in two instalments	128 00
Athletic Fee	5 00
Special Fee for Athletics, 1923-24	3 00
Health Insurance Fee (each session)	3 00
Fee for late registration	3 00
Supplemental Examinations (each year)	10 00
Hospital Ticket—full course, payable with fourth year fees	25 00
Hospital Ticket—one session, payable with sessional fee	9 00
Laboratory fee for Biology	5 00
Laboratory fee for Histology	10 00
Laboratory fee for Bacteriology	5 00
Laboratory fee for Pathology, per session	10 00
Laboratory deposit for Embryology	1 00
Laboratory deposit for Physics, per session	5 00
Laboratory deposit for Chemistry, per session	10 00
Laboratory deposit for Experimental Physiology	3 00
Ad eundem statum	10 00
Degree of M.D., C.M.	30 00
Degree of D.Sc.	50 00
Degree of D.P.H.	20 00
Extra fee for Degree *in absentia*	10 00
Matriculation Examination	8 00

Matriculation and graduation fees and the laboratory deposits for Chemistry and Physics are payable to the Registrar of the University. All other fees are payable with the sessional fee at the office of the Secretary of the Medical Faculty.

The sessional fee is $128 if paid in two instalments, as follows: $65 at the time of registration and $63 on or before December 10th. No student will be allowed to attend classes until at least half of the sessional fee and all other fees due have been paid, or to write on the Christmas examinations until all fees have been paid in full.

The graduation fee must be paid to the Treasurer of the University not later than March 15th.

AVERAGE COST PER SESSION

During the session 1922-23 students have paid from $5.00 to $6.00 a week for board and $2.50 to $3.00 for room, so that satisfactory board and lodging may be obtained at from $7.50 to $9.00 per week. Lists of boarding and lodging houses may be obtained from the Secretary of the Faculty.

The estimates do not include personal expenses.

Sessional, athletic and hospital fees	$136	$136
Laboratory Fees	5 –	20
Laboratory Deposits	10 –	15
Board and lodging (32 weeks)	240 –	288
Books and Stationery	40 –	70
Incidentals	15 –	25
	$446	$554

PHYSICAL WELFARE OF STUDENTS

Every student is required upon registration to contribute $3 towards a health insurance fund which the University will use to provide medical care for those who are ill.

Each first year student is given a physical examination by the University physician, and corrective exercises in the Gymnasium are prescribed when they are needed.

Gymnasium work for two hours each week is required of all first year students except those excused by the Medical Adviser. Voluntary classes are offered other students. The physical drill consists of progressive series of exercises with dumb bells, Indian clubs, bar bells, and chest weights, combined with marching tactics and free setting-up exercises; also apparatus work on long horse, parallel bars, ladder and horizontal bar.

The gymnasium is a modern stone building 60 x 105 ft. and is equipped with lockers, shower-baths, a swimming pool, running track, and all apparatus for physical training.

Athletics

As a member of the Canadian Intercollegiate Amateur Athletic Association, Queen's gives every opportunity for students to compete in intercollegiate athletics on some of the many teams representing the University, while the student who is not a good enough athlete to find a place on a University team has the chance to play in inter-year and inter-faculty games.

All athletic activities are controlled by the Athletic Board of Control, consisting of twelve members — four graduates, four Professors, and four undergraduates. Two of the Professors and the four undergraduate members are elected by the student body. This Board controls the rink, the playing fields, and the gymnasium, and has

a supervision and power of veto over the management and expenditure of the rugby, soccer, hockey, basketball, tennis, track, and boxing, fencing, and wrestling clubs. Each student pays an Athletic Fee of $5.00, which is collected with the sessional fee and paid to the Athletic Board of Control. A special Athletic Fee of $3.00 for the session 1923-24 has been authorized by the Senate at the request of the student body.

During the summer of 1921, through the generosity of Mr. James Richardson, of Winnipeg, a graduate in Arts of the University, the George Richardson Memorial Stadium was built on the Union Street Campus. The grand stand and bleachers accommodate about 4000 spectators, and the playing field is unexcelled by any in Canada. Within the stadium is also a cinder track 15 feet wide with a straight-away of 100 yards, 20 yards wide. An additional rugby field will also be built outside the stadium to care for the overflow from the first and second team practices. Soccer is played on the campus in front of the Arts Building.

The Jock Harty Arena, built during the autumn of 1921, has a seating capacity of about 4,000 and contains ample dressing rooms for teams and skaters. As soon as financial conditions permit, equipment for artificial ice will be installed, thus adding a full month to the skating season.

ATTENDANCE AT CHURCH

All students are expected to attend a church of the denomination to which they profess to belong. During the session, Sunday services are conducted at the University.

THE ALMA MATER SOCIETY

Queen's was the first University in Canada to introduce Student Government. All students are members of the Alma Mater Society, the chief instrument of Student Government, and are expected to share in its duties and responsibilities.

THE AESCULAPIAN SOCIETY

All students registered in the Faculty of Medicine are members of the Aesculapian Society, and amenable to its rules and regulations.

HIGHER DEGREES

DEGREE OF DOCTOR OF SCIENCE (D.Sc.)

The degree of D.Sc. is granted under the following conditions:—

(1) A period of two years must elapse between graduation as M.D. and the completion of the course.

(2) Original and independent research in some subject of importance to medical science must be undertaken.

(3) The candidate must submit a thesis embodying the results of his research. The literary as well as the scientific quality of the thesis is to be taken into account in judging the candidate's fitness to proceed to the examination.

(4) The candidate must apply in writing to the Secretary at least two years before he proposes to present himself for final examination, and must submit the subject of his research for approval.

(5) The examinations upon subjects cognate to that of the thesis will be assigned by the Faculty and include a reading knowledge of scientific French or German.

DIPLOMA OF PUBLIC HEALTH (D.P.H.)

A. *For candidates who have taken the B.Sc., M.D. course*

Such candidates will be entitled to enter for examination for this Diploma on presenting certificates of having taken:

(1) Three months in attendance and clinical instruction in a Hospital for infectious diseases.

(2) Three months in a Bacteriological Laboratory, devoted to bacteriological aspects of Public Health.

(3) One week in practical testing of milk and milk products for chemical constitution and common adulterations.

(4) Six months with a recognized Medical Officer of Health in the practical study of Sanitation.

B. *For candidates proceeding to take this Diploma after graduation as M.D.*

Such candidates will be entitled to enter for examination for this Diploma on presenting certificates of having taken:

(1) Three months' course in Sanitary Physics (principles of statics, pneumatics, hydraulics, light, photometry, heat, thermometry, hygrometry).

(2) Three months' course in Sanitary Chemistry, especially devoted to quantitative and qualitative analysis of air, water, and common foodstuffs; this course must include one week's work in practical testing of milk and milk products for adulteration or sophistication.

(3) Three months' course in a Bacteriological Laboratory devoted to bacteriological aspects of Public Health work, such as examination of sputum, blood, swabs, water and milk, and the detection of common animal parasites.

(4) Three months' course in advanced Hygiene, covering especially a discussion of sewage and garbage disposal, water supplies, disinfection, transmissible diseases, vital statistics and sanitary legislation.

(5) Three months' course in Sanitary Engineering, including water services, sewerage systems, sewage and garbage disposal.

(6) Three months' attendance and clinical instruction in a Hospital for Infectious Diseases.

(7) Six months with a recognized Medical Officer of Health in the study of practical sanitation.

SCHOLARSHIPS AND HONOURS

The following scholarships and honours are awarded to students in the Faculty of Medicine.

The Robert Bruce Scholarship

The Robert Bruce Scholarship of about $75 awarded at the end of the first year to the student of Scottish extraction making the highest number of marks in the examinations of that year. One-third of the value of the Scholarship will be paid to the winner in each of the second, third, and fourth years of his course, provided he is in attendance in the Faculty in which the award was made.

This Scholarship has been established under provisions in the will of the late Robert Bruce of Quebec and similar scholarships are awarded in the Faculties of Arts and Science.

Faculty Scholarship

A Faculty Scholarship of $50 awarded to the student making the highest number of marks on the examinations of the second year.

The New York Alumni Association Scholarship

The New York Alumni Association Scholarship of $50 awarded to the student making the highest number of marks in the courses in Embryology and Histology of the second year.

The Boak Scholarship

The Boak Scholarship in Anatomy, donated by Surgeon Eric W. Boak, of Esquimalt, B.C., of $25 awarded to the student making the highest number of marks in the written and oral examinations in Anatomy of the third year.

The N. F. Dupuis Scholarship

The N. F. Dupuis Scholarship of $60 awarded to the student making the highest number of marks in the examinations in Chemistry of the third year. This Scholarship was founded by the graduates as a mark of their appreciation of the long and effective services of the late Dr. N. F. Dupuis, Professor of Mathematics.

The Dean Fowler Scholarship

The Dean Fowler Scholarship of $50 awarded to the student making the highest number of marks in the examinations of the third year.

Faculty Scholarship

A Faculty Scholarship of $50 awarded to the student making the highest number of marks in the examinations of the fourth year.

University Medals

A University Medal awarded to the student making the highest number of marks in the examinations of the fifth year in Clinical Medicine, Pathology, Preventive Medicine, Psychiatry, and Jurisprudence.

A University Medal awarded to the student making the highest number of marks in the examinations of the fifth year in Clinical Surgery, Obstetrics, Gynaecology, Applied Anatomy, and Eye, Ear, Nose and Throat.

Hospital Appointments

Five Internships at the Kingston General Hospital, of twelve months each, awarded to students of the graduating class. These appointments must be approved by the Board of Governors of the Kingston General Hospital. Applications for these appointments must be made to the Secretary of the Faculty not later than March 15th in each year.

Two Clinical Assistantships on the staff of the Rockwood Hospital for the Insane during the summer. Applications must be made to the Superintendent, by whom the appointments are determined. Emphasis is laid on the special qualifications necessary for such work.

Teaching Fellowships

Three teaching Fellowships, each of the value of $100 per month, in Anatomy, Pharmacology and Physiology, and Pathology and Bacteriology. These are open to members of the graduating class and are awarded upon the general record of the applicants and, if necessary, a competitive examination. Applications must be made to the Secretary of the Faculty not later than March 15th in each year.

Exhibition of 1851—Science Research Scholarship

This scholarship of the annual value of £250 stg., is awarded by Her Majesty's Commissioners for the Exhibition of 1851 to students who have given evidence of capacity for original research, and are under 26 years of age.

A given number of scholarships are awarded annually to students in Canada, recommended by the universities approved by the Commissioners.

The nominee must be a British subject, must have been a *bona-fide* student of science for three years, must have been a student of the University

for a full year immediately before his nomination, must be a student of the University at the time of his nomination, and must pledge himself not to hold any position of emolument whilst holding the scholarship without special permission from the Commissioners. He is recommended to the Commissioners by the Senate of the University. The scholarship will be tenable ordinarily for two years, and in cases of exceptional merit, for three years. The scholar will in the absence of special circumstances be required to proceed to a country other than that in which he received his scientific training and there pursue some investigation likely to promote technical industries or scientific culture. The particular investigation the student proposes to pursue must be stated before a scholarship can be awarded.

The 1851 Science Research scholars from Queen's University are the following:—Norman R. Carmichael, M.A., 1893-4. Thomas L. Walker, M.A., 1895-6. Frederick J. Pope, M.A., 1897-8. William C. Baker, M.A., 1900-1. C. W. Dickson, M.A., 1901-2-3. C. W. Knight, B.Sc., 1904-5. F. H. MacDougall, M.A., B.Sc., 1905-6. C. Laidlaw, B.A., M.D., 1907-8. N. L. Bowen, M.A., B.Sc., 1909-10. Walter A. Bell, B.Sc., 1911-12. J. R. Tuttle, M.A., 1913-14. R. C. Cantello, B.Sc., 1915-16. D. G. H. Wright, B.Sc., 1921.

The George Christian Hoffman Fellowships

The Alpha Fellowship for Pathological Research of $1,000 and the Beta Fellowship for extended studies in Surgery of $750 awarded to recent graduates nominated by the Faculty and approved by the Senate of the University. The awards will be determined by the undergraduate record of the candidates and upon evidence of capacity for original research.

The holders of the Fellowships shall proceed to some Institution or University in Europe or the United States of America, approved by the Senate of the University, where post-graduate study and research may most advantageously be pursued. The Fellowships may be tenable for a second or even a third year, upon the recommendation of the Faculty.

Applications for these Fellowships should be made to the Secretary of the Faculty not later than the first of March in each year.

The George Christian Hoffman Fellowships have been awarded as follows:

In Pathology:—1919, Clifford D. Gallagher, M.B. (1916), M.D., C.M. (1921).
1921, Theo. J. Curphy, M.D., C.M. (1921).

In Surgery:—1921, Lyon H. Appleby, M.D., C.M. (1919).
1922, Calvert M. Carruthers, M.D., C.M. (1921).
1923, C. Merlin Eynon, M.D., C.M. (1922).

REQUIREMENTS FOR LICENSE

Dominion of Canada

A University Degree does not give the right to practice the profession of Medicine. It is also necessary to conform with the laws pertaining to the practice of Medicine in the province, state or country in which it is proposed to begin practice. The Medical Council of Canada issues a diploma which is accepted for registration in any province of the Dominion.

In order to qualify for the examinations of the Canada Medical Council, the candidate must hold the license of a Provincial Board or present a certificate from the Registrar of a Provincial Medical Council that he holds a medical degree from an approved Medical College. Students are advised to secure this qualification in preference to one from any provincial council. The announcement of the Medical Council of Canada may be obtained from Dr. R. W. Powell, Registrar, 180 Cooper Street, Ottawa.

Each province in Canada has a special standard of medical education and special requirements for license. Detailed information as to qualifications for the practice of Medicine in the various provinces may be obtained from the Provincial Registrars as follows:

Alberta: Dr. G. R. Johnson, Calgary.
British Columbia: Dr. A. P. Proctor, Victoria.
Manitoba: Dr. J. S. Gray, 358 Hargrave Street, Winnipeg.
New Brunswick: Dr. John S. Bentley, St. John.
Newfoundland: Dr. H. Rendell, St. Johns.
Nova Scotia: Dr. W. H. Hattie, Halifax.
Ontario: Dr. J. Wilberforce Aikins, 170 University Avenue, Toronto.
Prince Edward Island: Dr. S. R. Jenkins, Charlottetown.
Quebec: Dr. Joseph Gauvreau, 30 St. James Street, Montreal or Dr. C. R. Paquin, Quebec.
Saskatchewan: Dr. David S. Johnstone, Regina.

Great Britain and Ireland

The General Council of Medical Education and Enregistration has general supervision over the various licensing and examining Boards and keeps the Medical Register. Enrolment on the Register entitles one to register not only in Great Britain, but in most British Colonies (except Canada). The main licensing and examining bodies recognized in Great Britain apart from the universities are as follows:—

In England—The Conjoint Board of the Royal College of Surgeons of England and Royal College of Physicians of London. Information can be obtained from the Registrar.

In Ireland—The Conjoint Board of the Royal Colleges of Physicians and Surgeons of Ireland, of which Board the Registrar is Mr. Richard J. E. Roe, 35 Dowson Street, Dublin.

In Scotland—The Conjoint Board of the Royal Colleges of Physicians and Surgeons of Edinburgh and the Royal Faculty of Physicians and Surgeons of Glasgow. Information can be obtained from Mr. T. H. Graham, Queen Street, Edinburgh.

Certificates of Queen's University Medical Faculty are accepted by these Boards, so that those possessing the degree of M.D. from Queen's University are entitled to all the privileges in Great Britain that are accorded to students and graduates of other Colonial Colleges and Universities.

United States

The Journal of the American Medical Association publishes an Abstract of the Laws regulating the Practice of Medicine in the various States and Territories of the United States. The price of the pamphlet is 50c., and it may be obtained by addressing the American Medical Association, 535 North Dearborn Street, Chicago, Ill.

New York State

All communications concerning license examinations should be addressed to Examination Department, University of the State of New York, Albany, N.Y. Examinations are held at New York, Albany, Syracuse and Buffalo, in the months of January, May and September.

COURSES OF INSTRUCTION

ECONOMICS

Assistant Professor—C. A. ASHLEY, B.Com., A.C.A.

SECOND YEAR

An introduction to the study of modern business organization and of some of the human problems involved. Special reading will be assigned.

Monday and Friday at 9 (Second half-year).

Text-book:—Clay: *Economics for the General Reader.*

ENGLISH

Assistant Professor—J. A. ROY, M.A.
Assistant Professor—H. ALEXANDER, M.A.

FIRST YEAR

English 1. *Composition and Literature.* A practical course in composition, with collateral reading.

Monday, Wednesday, and Friday at 8.

Text-books:—Selected English Essays.
Selected Short Stories (1st and 2nd Series) in the World's Classics Series.
Shakespeare's *Twelfth Night* (Clarendon Press Edition).

FRENCH

Lecturer—L. A. BISSON, M.A.

FIRST YEAR

French 1. Grammar and composition, study and translation of texts, dictation and oral practice.

Tuesday, Thursday and Saturday at 8.

Text-books:—Lavisse: *Histoire de France.*
Labiche: *La Poudre aux Veux.*
Schoell: *Le Folklore au Village.*
Potter: *Dix Contes.*
Duhamel and Minssen: *Primer of French Prose Composition.*
Siepmann: *Short French Grammar.*

GERMAN

Professor—JOHN MACGILLIVRAY, B.A., Ph.D.

FIRST YEAR

Preparatory German A. A study of the elements of grammar, drill in pronunciation, reading of easy literature, dictation, and oral and written composition.

This course is intended for students who enter the University with little or no knowledge of German, owing to the inadequate conditions in most of the secondary schools, and may be taken by students who enter the Faculty of Medicine without matriculation standing in German.

Text-books:—Schrag and Alexis: *First Course in German.*
Schiller: *Das Lied von der Glocke.*
Volkmann-Leander: *Träumereien*—selections.
Collmann: *Easy German Poetry*—selections.

Intermediate German 1. The course embraces the reading of modern authors, a more advanced study of grammar and syntax, memorizing of poems, writing from dictation, sight translation, and oral and written composition.

Text-books:—Heyse: *L'Arrabbiata.*
Storm: *Der Schimmelreiter* (pp. 1-70).
Seidel: *Leberecht Hühnchen.*
Volkmann Leander: *Traumereien.*
Lyon: *Handbuch der deutschen Sprache.*
Collmann: *Easy German Poetry*—selections.

Scientific German 3a. This course is designed for students who are doing or expecting to do advanced work in chemistry, physics, geology, mineralogy, biology, and anatomy, and may be taken by medical students instead of German 1. The reading will be selected to suit the members of the class, and any work especially desired by the students may be taken up.

Prerequisite: German A, or Matriculation in German.

Text-books:—Wait: *A German Science Reader.*
Helmholtz: *Populäre Vorträge.*
Du Bois-Reymond: *Wissenschaftliche Vorträge.*

HISTORY

Assistant Professor—A. E. PRINCE, M.A.

SECOND YEAR

A course of lectures dealing with some of the main movements in History and the chief personalities associated with them, e.g., the Ages of the Prehistoric Man, Rameses II, Pericles, Julius Caesar, Mahomet, Charlemagne, Alfred the Great, William I, Saladin, Innocent III, Joan of Arc, Leonardo da Vinci, Columbus, Luther, Cromwell, Louis XIV, Washington, Watt, Napoleon, Garibaldi, Bismarck, etc. Special reading will be assigned.

Monday and Friday at 9 (First half-year).

Text-book:—Marvin: *The Living Past.*

ANATOMY

A

DESCRIPTIVE AND PRACTICAL ANATOMY

Professor (Acting)—D. C. MATHESON, M.B.
Fellow—H. S. ANGROVE, M.D., C.M.
Fellow—F. J. O'CONNOR, M.D., C.M.
Demonstrator—J. E. KANE, M.D., C.M.

SECOND YEAR

(*a*) The study of the bones and the dissection of the upper extremity.

(*b*) The bones of the trunk and dissection of the thorax.

(*c*) The bones of the head and dissection of the head and neck.

(*d*) Class review and demonstration on the parts dissected, conducted twice weekly.

(*e*) In addition to the above, an elementary course of lectures on the Systematic Anatomy of the body as a whole.

Third Year

(*a*) The study of the bones and the dissection of the lower extremity.

(*b*) The dissection of the abdomen and pelvis.

(*c*) The dissection of the brain.

(*d*) Class review and demonstration on the parts dissected conducted twice weekly.

(*e*) A special course of lectures on the anatomy of the brain and spinal cord.

(*f*) A review of the work of the second year.

Students must dissect the whole of the human body during the course. Preliminary and final oral examinations are required from each student, on each part dissected, and no certificate is given unless the examinations are satisfactory. Besides these, mid-sessional written examinations are held in December, and final written examinations at the close of the spring term. Students must complete the dissection and pass all oral examinations before being allowed to proceed with the final written examinations.

Bones of the head, trunk and upper extremity are loaned to second year students and bones of the lower extremity to third year students, and special lecture demonstrations are given in connection with the study of the bones.

Lectures and demonstrations are illustrated by museum specimens, dissected preparations, frozen sections, plates, photographs, drawings, etc. A new and very complete projection apparatus, recently installed, greatly facilitates class demonstration.

The dissecting rooms are open from 9 a.m. to 5 p.m., and during the hours for dissection the professor and demonstrators are in constant attendance guiding and assisting the work of the students. One entire flat of the Medical Building is devoted to anatomical purposes. The dissecting rooms are large, well lighted and thoroughly ventilated. A good supply of the best dissecting material, prepared in the most approved manner, is constantly on hand for the use of the students.

Arrangements may be made by graduates and others for the use of the dissecting room and for material for special study.

Dissecting-room guide—Cunningham: *Manual of Practical Anatomy.*

Text-books and Books of Reference

Gray, Cunningham, Walmsley, Piersol, Morris, Buchanan, Heisler. Ranson: *Anatomy of the Nervous System.*

B

Medical and Surgical Anatomy

Professor of Clinical Surgery—L. J. Austin, M.Ch., F.R.C.S.Eng.
Assistant Professor—S. J. Keyes, M.D., C.M.
Assistant Professor—J. F. Sparks, B.A., M.D., C.M.

The students are taught to make practical use of the facts of anatomy, and the application of these to medical and surgical practice is shown. Attention is directed to the manner in which the anatomy affects the course and progress of disease, and to the alteration in the anatomical relations in disease. Special attention is given to displacements in fractures and dislocations, topographical anatomy, and ligature of arteries.

Fourth Year

Tuesday at 2, *Medical Building.* Dr. Austin.
Wednesday at 3, *Medical Building.* Dr. Keyes.

Fifth Year

(Five Year Course)

Monday at 4 *and Friday at* 9, *Medical Building.* Dr. Sparks.

Books of Reference

Mundell, Davis, Deaver, Treves and Keith, Beesly and Johnson, Whittaker, Campbell.

BACTERIOLOGY

Professor—G. B. Reed, B.S., Ph.D.
Lecturer in Serology—W. D. Hay, M.A., M.D., C.M.

Third Year

1. *General and Pathogenic Bacteriology.* This course covers the general principles of bacteriology. The lectures deal with the structure and physiology of bacteria, the theories of infection and immunity and a systematic study of the pathogenic bacteria. Laboratory practice includes the preparation of culture media and the biochemical, cultural and microscopic study of bacteria. The principal pathogenic bacteria are isolated from hospital material, others from stock cultures, and their cultural, biochemical, pathogenic and immune reactions studied.

Lectures—Wednesday and Friday at 9.

Laboratory—Section A, Wednesday 10-12 *and Friday* 1-3; *Section B, Tuesday* 1-3 *and Thursday* 10-12.

Professor Reed and Dr. Hay

Text-book:—Hiss and Zinsser: *Text Book of Bacteriology.*

FOURTH YEAR

2. *Bacterial Diagnosis and Parasitology.* Practice in bacteriological diagnosis and the examination of the materials concerned in the distribution of pathogenic bacteria; a laboratory study of the principal lower animal parasites.

Laboratory—Section A, Thursday 2-4; *Section B, Monday* 2-4.

Dr. Hay.

ELECTIVE COURSES

3. *Bacteriology and Mycology of Water and Foods.*

A study of decay and fermentation processes in various kinds of foods, including milk and dairy products, and the distribution of pathogenic organisms in foods, water and sewage.

Lectures, reading and laboratory practice.

Hours to be arranged.

Professor Reed

4. *Research.* Properly qualified students who wish to make a special study of Bacteriology are admitted to the laboratory to undertake special problems. This work may be carried out during the session or in the summer, or both.

Professor Reed and Dr. Hay.

BIOLOGY

Professor—W. T. MACCLEMENT, M.A., D.Sc.
Assistant Professor—R. O. EARL, B.A.
Lecturer—H. C. WHITE, B.A.
Demonstrator—R. J. SINCLAIR.

FIRST YEAR

General Biology.—A course of two lectures and six hours of laboratory work per week through the session.

First Term: An elementary study of the morphology and physiology of the unicellular plants and animals, the larger algae, the fungi,

sponges, coelenterates, mosses, ferns, and flowering plants. Types of the chief plant diseases. Food manufacture, digestion, transference and utilization in plants and simple animals. Reproduction, asexual and sexual, alternation of generations. The nature and responses of protoplasm, and the formation of new cells.

Second Term: The dissection and study of worms, mollusks, arthropods, fishes, amphibians and birds. A special study of the anatomy and physiology of a mammal. The origins of the protective, digestive, locomotory and circulatory systems. Heredity, variation, hybridization and evolution. The principles of taxonomy, and the identification of the poisonous and medicinal plants of Canada.

Lectures—Tuesday and Thursday at 1. Professor Earl

Laboratory—Section A, Monday, Wednesday and Friday, 10-12; *Section B, Tuesday and Thursday,* 2-4 and *Saturday,* 10-12.
Professor Earl and Messrs. White and Sinclair.

Text-book:—Woodruff, *Foundations of Biology.*

A laboratory fee of $5 is required in the course in biology and must be paid with the sessional fee. Each student has the use of a microscope and is provided with the necessary materials.

CHEMISTRY

Professor of Biological Chemistry—A. P. Lothrop, M.A., Ph.D.
Lecturer in General Chemistry—R. L. Dorrance, M.A.
Assistant in Organic Chemistry—A. G. Hamilton, B.Sc.
Assistants in General Chemistry — T. A. V. Carey, A. L. Kuehner, and A. M. Le Beau.

All lecture and laboratory classes in Chemistry are conducted in Gordon Hall.

Monthly examinations are held throughout the session and the standing of the student is determined by the results of these examinations and by the character of his laboratory work, as well as by the grade obtained at the annual examination.

No student is admitted to the annual examination who has failed to attain a certain standard in the laboratory exercises.

A laboratory deposit of $10 for each course is required to cover breakage of apparatus and damage to laboratory property and must be paid to the Treasurer of the University before a locker will be assigned.

First Year

1. *General Chemistry and Analysis.*

(*a*) A course of three lectures per week on the fundamental laws and theories of these two subjects. This course includes a description of the common elements and compounds and a discussion of elementary physical chemistry and of elementary qualitative analysis. The lectures are illustrated by demonstrations and laboratory exercises.

(*b*) A course of six hours per week of laboratory exercises in General Chemistry and Analysis. These exercises aim to train the student in laboratory technique, in learning the properties of the elements and their common compounds, and in the detection of the positive and negative radicals of all the common salts. Frequently tests are made of the progress of the student by requiring analysis of mixtures which must be reported as in a written examination. Volumetric analysis is taken up during the latter part of the course.

Lectures—Tuesday, Thursday and Saturday at 9.

Laboratory—Monday and Friday, 1-4.

Mr. Dorrance and Assistants.

Text-books:—Smith, *College Chemistry* and *A Laboratory Outline of College Chemistry.*

Collegiate chemistry with laboratory exercises should precede this course.

The course in Chemistry A 1 (Arts Calendar) will not be accepted as equivalent to the first year medical chemistry unless offered in conjunction with the course in qualitative analysis, A 2.

Second Year

2. *Organic Chemistry.*

The principles of organic and of colloid chemistry, essential as a foundation for an understanding of physiological chemistry, are discussed. Typical organic compounds are prepared in the laboratory and the properties and reactions of colloids and of the more important classes of organic compounds of both the methane and benzene series are studied in detail.

Lectures—Monday and Friday at 10.

Laboratory—Section A, Thursday, 9-11; *Section B, Tuesday,* 9-11.

Dr. Lothrop and Mr. Hamilton.

Text-books:—Remsen and Orndorff: *Organic Chemistry.*
Lothrop: *Laboratory Experiments in Organic Chemistry.*

Third Year

3. *Physiological Chemistry.*

The course includes a detailed study of the properties of the carbohydrates, lipoids and proteins and of the chemical processes involved in respiration, secretion, digestion, absorption, metabolism and excretion and the chemistry of the tissues. The composition of foods and the elements of the science of nutrition are also discussed.

Lectures—Monday and Friday at 11.

Laboratory—Section A, Monday, 1-4 *and Tuesday,* 1-3; *Section B, Thursday,* 1-4 *and Friday,* 1-3.

Dr. Lothrop.

Text-books:—Mathews: *Physiological Chemistry.*
Hawk: *Practical Physiological Chemistry.*

Fourth Year

4. *Pathologcial Chemistry.*

A course of one lecture a week in the second half-year on the chemistry of pathological processes.

Lecture—Saturday at 9. Dr. Lothrop.

Reference book:—Wells: *Chemical Pathology.*

Books of Reference

Mellor: *Modern Inorganic Chemistry.* Treadwell: *Qualitative Analysis.* Steiglitz: *Chemical Analysis,* Vols. I and II. Sutton: *Volumetric Analysis.* Norris: *Principles of Organic Chemistry.* Bancroft: *Applied Colloid Chemistry.* Hammarsten: *A Text-book of Physiological Chemistry.* Robertson: *Principles of Bio-chemistry.* Macleod: *Physiology and Biochemistry in Modern Medicine.* Lusk: *The Science of Nutrition.* Sherman: *The Chemistry of Food and Nutrition.* Sherman and Smith: *The Vitamines.* Monographs on Biochemistry.

EYE, EAR, NOSE AND THROAT

Professor—J. C. Connell, M.A., M.D.
Lecturer—F. A. Cays, M.D., C.M.
Clinical Assistant—H. C. Connell, B.A., M.D., C.M.

The course consists of lectures, clinics and demonstrations throughout the fifth and sixth years. Practical lessons in the use of the ophthalmoscope and laryngoscope are given to the classes in sections.

FIFTH YEAR

(Five Year Course)

Monday and Thursday at 9, General Hospital.

BOOKS OF REFERENCE.

Swanzy. Fuchs, Gleason, St. Clair Thompson.

GYNAECOLOGY

Professor—G. W. MYLKS, M.D., C.M.

FIFTH YEAR

(Six Year Course)

The course includes methods of pelvic examination, the disorders of menstruation, diseases of the female generative organs, injuries to the pelvic floor, urinary bladder and rectum, malformations and displacements of the uterus, extra-uterine pregnancy and benign and malignant growths affecting the female genitalia

At the Hospital, demonstrations are given in operative technique, post-operative treatment and instruments used in gynaecologic cases, also in the application of pessaries and such local treatments as douches, tamponade, etc. The various pelvic and vaginal operations are performed before sections of the class.

FIFTH YEAR

(Five Year Course)

The work of the fifth year is taken up in the hospitals and is largely clinical and operative, including special methods of examination such as cystoscopy, etc. Special attention is given to the pathology of pelvic growths.

Clinics—Wednesday at 9, General Hospital.

Thursday at 4, Rockwood Hospital.

BOOKS OF REFERENCE

Herman, Eden, Eden and Lockeyer, Anspach, Graves, Garrett, Kelly.

HISTORY OF MEDICINE

Fifth Year

A course of thirty lectures, covering the history and development of the art and science of medicine from the mythological period of Aesculapius to the present time. Selections are read from the writings of Hippocrates, Galen, Paracelsus, Vesalius, Harvey, Sydenham, Willis, Hunter, Jenner, Pasteur, Lister and others.

Tuesday at 9. Dr. J. C. Connell.

MATERIA MEDICA, PHARMACY AND PHARMACOLOGY

Professor of Pharmacology—

Assistant Professor of Materia Medica—J. P. Quigley, M.A., M.D., M.R.C.S., Eng., L.R.C.P., London.

Fourth Year

The course consists of preliminary lectures on the definitions, measures, pharmaceutic methods, and special pharmaceutical preparations. This is followed by a course of lectures on the classification, sources, and preparation of drugs, and their pharmacological action.

In the laboratory course, the class is divided into sections. One hour per week is spent during the fall term in practical demonstrations in pharmacy, studying the preparations of drugs, their solubility and incompatibilities. Two hours per week are spent throughout the year in experimental pharmacology, consisting of experiments performed by the students under the supervision of the Professor.

Lectures—Monday, Tuesday, Thursday and Friday at 11.

Laboratory—Section A, Monday 2-4; *Section B, Thursday* 2-4.

Books of Reference

Sollman, Bruce and Dilling, Cushney, Meyer-Gottlieb, Bastedo and Lauder Brunton. Eggleston: *Prescription Writing.*

MEDICAL JURISPRUDENCE

Lecturer—H. A. Boyce, M.D., C.M., M.R.C.P. London.

Lecturer—J. M. Farrell, B.A.

Fifth Year

The course in Jurisprudence includes the following: legal criminal procedure; Coroner's court; medical evidence, identity; modes of dying; sudden death, signs of death; homicide, suicide; wounds, burns and scalds; suffocation, hanging and strangling; drowning; death from starvation, cold and heat, lightning and electricity; offences against chastity; pregnancy and delivery; criminal abortion; infanticide, live birth, causes of death to the foetus; legitimacy, impotence, sterility; feigned diseases; survivorship, life assurance, wills; malpractice; Workmen's Compensation Act.

Books of Reference

Reese, Herold, Taylor, Hamilton, Tidy, Buchanan, Witthaus and Becker, Peterson and Haines, Glaister, Draper, Boys, Johnson.

MEDICINE AND CLINICAL MEDICINE

Professor—W. T. Connell, M.D.
Associate Professor—E. C. D. MacCallum, M.D.
Associate Professor—Wm. Gibson, M.D.
Assistant Professor—R. R. MacGregor, M.D.
(in charge of Pediatrics)
Lecturer—B. H. Hopkins, M.B.
Clinical Assistant—H. A. Boyce, M.D.
Clinical Assistant—J. P. Quigley, M.D.
Clinical Assistant—W. A. Jones, M.D.
Clinical Assistant—J. R. Third, M.D.

The time tables for the various years will be published at the beginning of the session 1923-24.

Fourth Year

The course covers the methods of examination of patients, including the principles and methods of physical diagnosis and the making of case records. Four hours per week is spent on this work.

In the Pathological Laboratory a course of three hours per week is given in clinical laboratory methods which includes the examination of urine, blood, gastric contents, feces, exudates and transudates.

The examinations are conducted jointly by the Departments of Medicine and Pathology and cover the work of both classes.

Fifth Year

(Five Year Course)

The work of the fifth year is entirely clinical. Students are assigned as clinical clerks and under the supervision of the house physician are responsible for the preparation and recording of case histories, including the necessary physical and laboratory examinations. The class is divided into sections for ward teaching under special instructors and each section must spend three two-hour periods per week in this work. In addition a clinic at which all special cases are discussed is held each week.

Text-Books

Clinical Methods: Hutchison and Rainy, O'Reilly, Martinet, Sahli.
Practice of Medicine: Osler and McCrae, Stevens, Wheeler and Jack.
Skin Diseases: Campbell, Morris, Sequeira, Walker, Sutton.
Nervous Diseases: Church and Peterson, Campbell-Thomson, Purves Stewart.
Heart Diseases: MacKenzie, Price.

THERAPEUTICS

(Five Year Course)

In the fifth year therapeutics forms a part of the clinical teaching. Special attention is given to a course in Physiotherapy, which is divided into three parts.

1. *Hydrotherapy.* A course of six lectures is given on the general principles and methods of administration and the student is then shown the practical application of Hydrotherapy in the different hospitals.

Text-book:—Baruch: *The Principles and Practice of Hydrotherapy.*

2. *Electrotherapy and Massage.* Six lectures are given on the general principles of massage and electrotherapy. Demonstrations on the technique of massage follow. The physical characteristics of galvanic, faradic, and sinusoidal currents, ionization, etc., are shown in the massage departments of the different hospitals.

Text-books:—Jones: *Ionic Medication.*
Magill: *Notes on Galvanism and Faradism.*
Despard: *The General Principles of Massage.*

3. *X-Rays and Radiotherapy*: This course is given to familiarize the student with the therapeutic use of X-rays and radium and is taken in connection with the practical work on radiography.

Text-book:—Knox: *Radiography, X-Ray Therapeutics and Radium Therapy.*

OBSTETRICS

Professor—A. R. B. Williamson, M.A., M.D.
Clinical Assistant—F. J. O'Connor, M.D.

Fifth Year

(Six Year Course)

For fifth year students the course in Obstetrics includes the anatomy of the pelvis; anatomy, anatomical relations and physiology of the organs of generation; menstruation, ovulation and conception; development of the embryo, fœtus and fœtal appendages; the diagnosis of pregnancy, phenomena and management of normal labor; management of the mother and infant during the puerperal period; mechanism and management of labor for the several presentations and positions; twin pregnancy and labor.

Fifth Year

(Five Year Course)

In the fifth year the pathology of pregnancy, parturition and the puerperium is taken up. Under this heading are considered the diseases of the membranes and placenta; the diseases and disorders of pregnancy; the effects of certain diseases on pregnancy and parturition; dystocias resulting from deformed pelvis, faulty mechanism, mal-presentations and positions; ante partum and post partum hemorrhage; diseases incident to the puerperium; and obstetric surgery. The lectures are illustrated by the artificial pelvis, drawings and models. The class is admitted to

the practice of the maternity wards of the Hospital where practical instruction is given in the management and care of such cases.

Monday and Tuesday at 1, *Medical Building.*

Books of Reference

Williams; Berkeley, Andrews and Fairbairn; Hirst, Eden, Galabin and Blacker, De Lee, Shear.

PATHOLOGY

Professor— James Miller, M.D., D.Sc., F.R.C.P. Ed., F.R.S.C.
Assistant Professor—T. R. Little, M.D.
Lecturer in Serology—W. D. Hay, M.A., M.D.

Fourth Year

1. *General Pathology.* Students of the fourth year attend a course of lectures and demonstrations in General Pathology covering three hours per week. Two hours per week are spent in the laboratory studying microscopic preparations illustrating the matter discussed in the lectures.

2. *Clinical Microscopy.* Three hours per week are spent in chemical and microscopical examination of urine, blood, gastric contents, feces, exudates, transudates and animal parasites.

Fifth Year

(Five Year Course)

3. *Serology and Pathology.* A course of lectures and practical work, three hours per week, in serology is given during the session. In addition to this work the cases taken up at the clinical conferences each week are studied as regards their morbid anatomical and histological details.

Students in rotation assist in making autopsies and are required to furnish during the course of the fifth and sixth years reports on at least ten cases, including in these reports the clinical history, morbid anatomy and histology and pathology of the case, along with a critical review of the pathogenesis and the causes of death. These cases will be marked and annotated by the members of the medical, surgical and pathological staffs, and the marks obtained recorded. No student will be allowed to complete his course who has not obtained at least 50% of marks over the whole series.

Clinico-pathological Conferences. — Conferences on medical and surgical cases in their clinical, pathological and bacteriological aspects are held each Saturday morning throughout the session. These are open to students of the fifth year. The cases brought up at these conferences form the basis of the reports mentioned above.

A laboratory fee of $10 per session is required in all courses in pathology and must be paid with the sessional fee. The fee includes the exclusive use of a microscope, the necessary pathological slides and other accessory materials.

Approved Textbooks

Pathology:—Delafield and Prudden, MacCallum, Hewlett, Beattie and Dickson, Miller.

Pathological Histology:—Mallory, Woodhead, Leighton.

Pathological and Bacteriological Technique:—Mallory and Wright, Eyre.

Clinical Microscopy—Wood, Stitt, Emerson.

Serology:—Karsner and Ecker, Zinsser.

PEDIATRICS

Professor of Medicine—W. T. Connell, M.D.

Assistant Professor of Medicine (in charge of Pediatrics)—R. R. MacGregor, M.D.

Fifth Year

(Six Year Course)

The course includes the general care and management of infants, clinical investigation of diseases in infants, injuries and diseases of the newly born, nutrition, derangements of nutrition, diseases due to faulty nutrition, diseases of the digestive system, respiratory diseases, acute infectious diseases, etc.

Fifth Year

(Five Year Course)

Clinics—Monday and Wednesday; hours to be arranged.

Dr. MacGregor.

Text-books: Holt, Grulee.

Books of Reference

Still, Hutchison, Griffith, Thompson, Dennett, Talbot and Morse, Porter and Carter.

PHYSICS

Professor—A. L. Clark, M.A., Ph.D., F.R.S.C.
Associate Professor—J. K. Robertson, M.A.
Lecturer—W. V. Ball, B.A.Sc.
Assistant—G. W. Hudson, B.Sc.

First Year

1. *Elementary Physics.*

(*a*) A course of three lectures per week throughout the year on properties of matter, heat, sound and light. Numerous applications to phenomena of special interest to medical students are discussed.

(*b*) Two hours per week in the laboratory.

Lectures—Monday, Wednesday and Friday at 9. **Mr. Ball.**

Laboratory—Section B, Tuesday 10-12.
Section A, Thursday 10-12. Mr. Hudson.

Second Year

2. *Electricity and Magnetism, Conduction of Electricity through Gases, Roentgen Rays and Radioactivity.*

(*a*) A course of two lectures per week in which a thorough elementary treatment of the above subjects is given. In the latter half of the course the lectures are designed to familiarize the student with modern X-ray equipment and its operation, as well as with the physical nature of radiations of therapeutic value.

(*b*) Laboratory—two hours per week.

Lectures—Monday and Friday at 11. Professor Robertson.

Laboratory—Section A, Saturday, 10-12;
Section B, Wednesday, 10-12.
Professor Robertson and Mr. Hudson.

Fifth Year

(Five Year Course)

3. *Roentgen Rays and Other Radiations.*

This course of lectures is designed to familiarize the student with modern X-ray equipment and its operation, as well as with the physical nature of radiations of therapeutic value. The principal types of X-ray machines are discussed and examined in the hospitals. By means of experimental lectures, the theory of vacuum tube discharges, of the gas and the Coolidge X-ray tubes, and the nature and properties of X-rays and other radiations are demonstrated.

Wednesday at 3. **Professor Robertson.**

PHYSIOLOGY

Professor—G. Spencer Melvin, M.D.
Lecturer in Embryology—G. H. Ettinger, B.A., M.D.
Fellow—C. W. Bennett, M.D.

Second Year

1. *Histology.* The earlier part of the course consists of a detailed study of the principal tissues of the body. Preparations of these are made and examined in the fresh condition and in mounted specimens. This is followed by a study of the structure of the organs of the body. In the laboratory the student is trained in the technique of the different methods of making microscopic preparations and each student must cut, stain and mount a number of sections from fresh material. For this work the class is divided into small sections which work under the immediate supervision of the staff at hours to be arranged.

A complete collection of mounted slides is supplied.

Lecture—Wednesday at 9.

Laboratory—Section A, Tuesday 9-11; *Section B, Thursday* 9-11.
Professor Melvin.

Text-books:—Jordan: *Histology.*
Schafer: *Essentials of Histology.*

A laboratory fee of $10 is required in the course in Histology and must be paid with the sessional fee. The fee includes the exclusive use of a microscope, the necessary slides and other accessory materials. The slides are non-returnable and become the property of the student.

2. *Embryology.* The course consists of one lecture period and two hours' laboratory work per week on the embryology of the chick and pig.

A deposit of $1.00 is required to make good breakage of preparations supplied for work in class.

Lecture—Saturday at 9.

Laboratory—Section A, Wednesday 10-12; *Section B, Saturday* 10-12.
Dr. Ettinger.

Text-books—Lillie and Moore: *A Laboratory Outline of Embryology.*
Prentiss and Arey: *Text Book of Embryology.*

Third Year

3. *Experimental Physiology.* This is a laboratory course in the dynamics of muscle and nerve, nervous system, circulation and respira-

tion, digestion, excretion, secretion, etc. Mammalian demonstrations are given.

Laboratory—Section B, Monday, 1-4; *Section A, Thursday,* 1-4.
Professor Melvin and Dr. Bennett.

Text-book:—Schafer: *Experimental Physiology.*

A fee of $1.00 and a deposit of $2.00 are required in this course. The fee covers wear and tear of apparatus; the deposit is returnable less an amount deducted to cover breakage.

4. *Physiology.* The subject is treated systematically and is supplemented by demonstrations and by the work in the experimental class. Special emphasis is laid on the application of Physiology to clinical study.

Lectures—Monday and Friday at 10 *and Wednesday at* 3.
Professor Melvin.

Text-books:—Halliburton: *Handbook of Physiology.*
MacLeod: *Physiology and Biochemistry in Modern Medicine.*

5. *Histology.* The class will meet in small sections for review. Tutorial instruction will be given in special methods of microscopic technique.

Laboratory—Tuesday, 3-4. Professor Melvin and Dr. Ettinger.

Fourth Year

6. *Physiology..* For the present session a supplementary lecture course will be given.

Lecture—Saturday at 10. Professor Melvin.

Optional Course

7. *Research in Physiology.* Properly qualified students are admitted to the laboratory for post-graduate study and special research.
Professor Melvin.

Books of Reference

Howell, Stewart, Tigerstedt, Starling, Schafer, Luciani, Bayliss, Porter, Sherrington. Quain: *Microscopic Anatomy.* Biedl: *The Internal Secretory Organs.* Schafer: *The Endocrine Organs.* Cannon: *Mechanical Factors of Digestion.* Pawlow: *Work of the Digestive Glands.* Sherrington: *Integrative Action of the Nervous System.* Quain: *Embryology.*

PREVENTIVE MEDICINE

Professor—J. R. Currie, M.A., M.D., L.R.C.P.E., D.P.H.

Fifth Year

The lectures are taken during the fifth year, and include the subjects of food, water, air and ventilation, sewage disposal, dwellings, hospitals, climate and soil in their relation to the public health. The nature, methods of spread and means of prevention of the infective diseases are also considered, including isolation, disinfection, quarantine, preventive inoculation and serum therapy. Vital statistics and the laws governing control of public health are discussed. Attention is also directed to the application of sanitation to barracks, camps and armies in the field.

Tuesday at 4 and Wednesday at 2.

Books of Reference

Park: *Public Health and Hygiene.* Bergey: *Principles of Hygiene.* Rosenau: *Preventive Medicine and Hygiene.* Fitzgerald: *Introduction to the Practice of Preventive Medicine.*

PSYCHIATRY

Professor—Edward Ryan, B.A., M.D.
Assistant Professor of Philosophy—N. J. Symons, M.A.
Clinical Assistant—T. D. Cumberland, M.B.

Fourth Year

This course will consist of a series of lectures on Normal Psychology by Professor Symons. Special emphasis is laid on the following subjects of study: Various theories of the relation of mind to body, attention, memory, habit, the mechanism of mental association, the instincts, the emotions, the will, and the unity of personality.

Lecture—Wednesday at 2.

Fifth Year

(Five Year Course)

A study of Psycho-pathology, including lectures on disturbances of apprehension, attention, memory, judgment, ideation, and of the train of thought, and a discussion of hallucinations and delusions.

Lectures are given on the psychoses and neuro-psychoses, which are fully illustrated and carefully studied in the wards and laboratories of the hospital. The course is made as clinical and as practical as pos-

sible. Instructions in the various intelligence tests are also given and laboratory work is an important feature of the course.

Students who desire to follow the practice of Psychiatry after graduation, either in institutional or in private practice, are granted special privileges for honor work in this subject.

SURGERY

Professor—D. E. MUNDELL, B.A., M.D.
Professor of Clinical Surgery—L. J. AUSTIN, M.Ch., F.R.C.S.
Associate Professor—E. RYAN, B.A., M.D.
Associate Professor—I. G. BOGART, M.D.
Assistant Professor—J. F. SPARKS, B.A., M.D.
Assistant Professor—R. J. GARDINER, M.D.
Assistant Professor—S. J. KEYES, M.D.

FOURTH YEAR

In the fourth year two lectures are given weekly on inflammation and its effects, general systemic diseases, suppurative processes, asepsis, wounds, etc. A weekly clinic is held in minor surgery, bandaging, etc.

Lectures—Monday at 10 *and Thursday at* 1. Dr. Mundell.

Clinics—Wednesday, 9-12. Drs. Austin and Keyes.
Minor Surgery, Thursday at 9. Dr. Gardiner.

FIFTH YEAR
(Five Year Course)

The fifth year is devoted chiefly to clinical surgery, there being one lecture weekly on the surgery of the thorax, head and neck.

Special courses are also given at the General Hospital in the use of the cystoscope and ureteral catheterization by Dr. Austin and in anesthesia by Dr. Keyes.

Clinics are held at the Kingston General Hospital, Rockwood Hospital and Hotel Dieu. In addition every possible opportunity is afforded the student throughout the session to attend operations performed by the members of the staff at the different hospitals, a limited number of the students being permitted to view the operation from the floor.

Lecture—Tuesday at 3, *Medical Building* Dr. Mundell.

Clinics and Demonstrations—

Monday at 4, *Applied Anatomy, Medical Building.* Dr. Sparks.
Tuesday at 10, *General Hospital.* Drs. Austin and Keyes.
Tuesday at 11, *General Hospital.* Drs. Austin and Bogart.
Thursday, 10-12, *General Hospital.* Drs. Austin and Gardiner.
Thursday at 5, *Genito-urinary clinic, General Hospital.* Dr. Austin.
Friday at 9, *Applied Anatomy, Medical Building.* Dr. Sparks.
Friday, 10-12, *Hotel Dieu or Rockwood Hospital.* Dr. Austin.
Friday at 2, *Special Clinic.* Dr. Austin.

Books of Reference

Rose and Carless, Russell Howard, Kelly-Noble, Kocher, Treves, Thomson and Miles. Whitman: *Orthopedic Surgery.* Foote: *Minor Surgery.* Martin: *Surgical Diagnosis.* Pye: *Surgical Handicraft.* MacLennan: *Surgical Materials.* Scudder: *Fractures.* Fitzwilliams: *Pocket Surgery.*

MEDALISTS AND HOLDERS OF SCHOLARSHIPS

Medalists in Medicine

1919 Lyon H. Appleby
1920 G. Harold Ettinger, B.A.
1921 W. Gordon Cornett, B.A.
1922 John H. Pilkey

Medalists in Surgery

1919 Lawrence S. Fallis
1920 Jas. Wallace, M.A., B.D.
1921 Calvert M. Carruthers
1922 C. Merlin Eynon

The N. F. Dupuis Scholarship

1919 Stuart A. Wallace
1920 John H. Orr
1921 W. Roy Waddell

The New York Alumni Association Scholarship

1919 A. Clifford Baiden
1920 Arnold R. Richards
1921 Charles S. Appelbe
1922 Quartus Bliss

The Dean Fowler Scholarship

1919 Calvert M. Carruthers
1920 Stuart A. Wallace
1921 John H. Orr
1922 Charles S. Appelbe, B.A.

The Boak Scholarship

1919 C. Merlin Eynon
1920 J. McClure Givens
1921 George C. Hamilton

Faculty Scholarships

1919 G. Harold Ettinger, B.A., John H. Orr, and Arnold R. Richards.
1920 Calvert M. Carruthers and W. Roy Waddell.
1921 C. Merlin Eynon.
1922 John H. Orr and C. Everard Lyght.

DEGREES CONFERRED

Degrees Conferred at the Annual Convocation
June, 1922

Charles W. Aitcheson
A. Irvine Armstrong
A. Clifford Baiden
Frederick H. C. Baugh, B.A.
Gordon Bicum
Leonard C. Blakey
William J. Brough
Frederic W. Bush
Will Campbell
Albion S. Chance
Amos B. Clayton
Wilfrid R. Crowe
C. Merlin Eynon
Gerald F. Fairbairn
Harry R. Fleming, B.A.
Howard P. Folger, B.A.
Norman V. Freeman, B.A.
Amos E. Friend
Gordon S. Harris
Bertram H. Harper
N. Roy Houston
Kenneth Keill, B.A.
Thomas R. Kerr, B.A.
Bruce E. Knapp, B.A.
D. O'Gorman Lynch
Roderick MacKinnon
John Mackie
N. J. Linnington Margetson
S. Earl McDowell
William M. McNeely
Wm. J. Nicolson
John H. Pilkey
James K. Pomeroy
Augustus D. Roberts
Keith B. Suddaby
N. Cameron Sully
W. A. M. Truesdell
Stuart A. Wallace
C. Wilson White
Thomas N. Wills
Reuben C. Wilson
Clifford L. Wingham
Percy Winstin
Russell G. Yoerger
Claude R. Young

STUDENTS IN ATTENDANCE

SESSION 1922-1923

Fifth Year

Cyril B. Bell ..... Brockville
Ray A. Bigford ..... Merrickville
Clifford M. Bracken ..... Lyndhurst
John H. Burry, B.A. ..... Kingston
Hugh T. Carmichael ..... Peterboro
R. Glenn Davidson, B.A. ..... Rossmore
J. Powell Davies ..... Rodney
Alfred J. Drury ..... Kingston
George E. Flanagan, B.A., ... Avonmore
Richard A. Flynn ..... Erinsville
J. McClure Givens, B.A. ..... Kingston
Alfred Grant ..... Verona
John W. Hall ..... Gananoque
Foster C. Hamilton ..... Iroquois
Everett W. Henry ..... Warkworth
W. Leonard Howard ..... Delta
Ray H. Judge ..... Moscow
Roy M. Kines, B.A. ..... Waterford
G. Clayton Lindsay ..... Sydenham
J. Harold Lochead ..... Newburgh
Charles A. Louden ..... Dixon Corners
Malcolm J. Morison ..... Kingston
Starling O. Morris, B.A. ..... Athens
John H. Orr ..... Kingston
T. Bernard Patterson ..... Inverary
Arthur W. Pense ..... Kingston
Clinton P. Peterson ..... Centreville, N.B.
George S. Pixley, B.A. ..... Harrowsmith
J. Malcolm Rennie ..... Listowel
Arnold R. Richards ..... Hyndford
H. Arthur Richardson, B.A. ..... Brockville
Reginald K. Shirley ..... Pickering
Morley L. Smith ..... Napanee
William Susman, B.A. ..... Kingston
R. Perry Walker ..... Cardinal
George R. Warner ..... Vancouver, B.C.

Fourth Year

Charles S. Appelbe, B.A. ..... Parry Sound
Jesse K. Bigelow ..... Wales
C. Hugh Branigan ..... Kingston
Keith G. Burns ..... Braeside
Dwight S. Bishop ..... Algonquin
D. Ross Campbell ..... Metcalfe
Wm. A. Campbell ..... Kingston
Ernest A. Clark ..... Smith's Falls
Carl W. Cohoon ..... Ottawa
William H. Costello ..... Arnprior
Herbert E. Eckardt ..... Colebrooke
Herbert L. Edwards, B.A. ..... Souris, Man.
Jack H. Evans ..... Kingston
Thomas W. Faulkner, B.A. ..... Eyebrow, Sask.
Austin G. Friend ..... Wolfe Island
Esley R Froats ..... Spencerville
James W. Gallwey ..... St. Paul's, Grenada, B.W.I.
Arthur M. Gee ..... Victoria, B.C.
Wilfrid T. Gratton ..... Kingston
George C. Hamilton, B.A. ..... Godfrey
J. Bonar Hamilton ..... Black Lands, N.B.
Thomas A. Hamilton ..... Iroquois
Donald J. Holdcroft, B.A. ..... Havelock
Stuart W. Houston ..... Carleton Place
Harry G. Houze ..... Lombardy
Elmer A. James ..... Perth
Noel S. Knapp ..... Kingston
Wilfred Lalonde ..... Cornwall
John R. Lee ..... Wellandport
Laurence H. Leggett ..... Newboro
Abraham Lifshitz, B.A. ..... Billings' Bridge
B. Wesley MacDonald ..... Ottawa
Glen R. MacLachlan ..... Kenmore
James H. MacMillan ..... Avonmore
John N. MacMurchy ..... Ottawa
Roy M. Maclean ..... Campbellton, N.B.
H. Cyril T. McDowell ..... Shawville, Que.
John J. McNally, B.A. ..... Ottawa
J. Milton Montgomery ..... Smith's Falls

Charles C. Moon ..... Bath
James R. P. Nicoll ..... Regina, Sask.
J. Frank Noonan ..... Pakenham
James J. O'Reilly, B.A. ..... Kingston
W. Harper Perrin ..... North Augusta
Roy G. Pfotzer, A.C. ..... Buffalo, N.Y.
Alban G. Phelan ..... Kingston
Cecil H. Playfair ..... Arnprior
Wilson Powell, B.A. ..... Bonavista, Nfld.
Karl V. Quinn ..... Kingston
John F. Richardson, B.A. ..... Brockville
James E. Ritchie ..... Pakenham
Hugh E. Robertson ..... Perth
Horace S. Roote ..... Smith's Falls
Edward P. Ryan ..... Kingston
C. Russell Salsbury ..... Camden East
T. Tweed Samis ..... Baltimore
Paul A. Scott ..... Smith's Falls
J. E. Roy Smith ..... Fort William
Harold Spenceley ..... Uxbridge
Donald H. Stewart ..... Beamsville
Cecil S. Taber ..... Brockville
J. Vincent Trainor ..... Vancouver, B.C.
Wallace Troup ..... Renfrew
W. Roy Waddell ..... Edwards
Goldie Whitty ..... Harrowsmith
Ross Wong ..... St. Thomas

Third Year

Archibald J. Abernethy ..... Kingston
Alex. E. W. Ada ..... Kingston
W. Ewart G. Bayley ..... Hamilton
Nathan E. Berry ..... Seeley's Bay
William H. Berry ..... Seeley's Bay
Amos W. J. Blackler ..... Nipper's Harbour, Nfld.
L. Quartus Bliss ..... Kingston
T. Erwin Brown ..... Richmond
Herbert C. Burleigh ..... Kingston
James H. Campbell ..... Kingston
Harry G. Carleton ..... Roslin
Donald M. Carmichael ..... Peterboro
George L. Davidge ..... Weston
Kenneth Dawson ..... St. Marys
Clifford W. Duncan ..... Winnipeg, Man.

Arnold Ellenport ..... Brooklyn, N.Y.
Gordon H. Ellis ..... Smith's Falls
W. Stanton FitzPatrick ..... Brockville
H. Beecher Geiger ..... Kingston
R. Stirling Gibson ..... Kingston
Thomas J. Goodison ..... Brockville
Maxwell Gosse ..... Spaniard's Bay, Nfld.
J. Roland H. Graham ..... Kingston
J. Allan Howard ..... Ottawa
Robert N. Irwin ..... Kingston
Arthur V. Johnston ..... Kingston
H. Aubrey Jones ..... Victoria, B.C.
Philip R. Kaiser ..... Lansdowne
John Lansbury ..... Wellington
Arthur E. Lewis ..... Victoria, B.C.
C. Everard Lyght ..... Hamilton
Dougald F. MacArthur ..... Corinne, Sask.
James C. Macfarlane ..... Ottawa
James R. McAuley ..... Kingston
H. Gordon McBroom ..... Washburn
George K. McCracken ..... Brockville
Samuel John McEvoy ..... Ottawa
John L. McKelvey ..... Kingston
Presley A. McLeod, B.A. ..... Kingston
Abie N. Morphy ..... Carleton Place
L. Rogers Morse, B.Sc. ..... Worcester, Mass.
William P. Muirhead ..... Ottawa
W. Alex. Newlands ..... Kingston
E. Owen Nunez ..... New York, N.Y.
Daniel J. O'Ray ..... Napanee
William P. E. Paterson ..... Westmeath
A. Franklin Rowsom ..... Lyn
Emil K. Sauer ..... Kennell, Sask.
Ernest A. W. Sheppard ..... Smith's Falls
Oral B. Shillington ..... Blenheim
Ralph M. Tovell ..... Sydenham
Harry Warwick ..... Brooklyn, N.Y.
Herbert N. M. Young ..... Peterboro

SECOND YEAR

Ernest J. Anderson ..... Campbellford
Robert A. Breckenridge ..... Peterboro
C. Emerson Brooks ..... Ottawa
Donald W. Buchanan ..... Neil's Harbor, N.S.

G. Donald W. Cameron ..... Peterboro
George E. Carlin ..... Watertown, N.Y.
Leslie F. Clary ..... Sudbury
Wilfred J. Cochrane ..... Sudbury
John J. Collins ..... Lanigan, Sask.
Thomas J. Connor ..... Waupun, Wis.
Andrew D. Cox ..... Richmond
Joseph B. Cramer ..... Westbrook
William E. Cudmore ..... Bronte
James S. Daly ..... Ladner, B.C.
George W. Danton ..... Orillia
William G. Davis ..... Blenheim
John S. Delahey ..... Kingston
Rourke E. Downey ..... Caledonia
John R. Emery ..... Kingston
Harry E. Faver ..... Newark, N.J.
Francis R. C. Forster ..... Kingston
Irvine E. Gage ..... Paisley
Harold M. Gardiner ..... Seeley's Bay
John J. George ..... Ottawa
Omar W. Gilmour ..... Kingston
Ford M. Goodfellow ..... Westport
John S. Guthrie ..... Ottawa
Earle G. Haliday ..... Lanark
Garnet L. Higgins ..... Brockville
Kenneth T. Hunter ..... Newmarket
J. F. Colman Kelly ..... Sudbury
F. Gerald Keyes ..... Gananoque
J. G. Keber Lindsay ..... North Bay
John Mann ..... Sault Ste. Marie
George R. Marsh ..... Collin's Bay
Gilchrist E. Matheson ..... Sudbury
Harold S. McCartney ..... Kingston
Harry J. McLeod ..... Kingston
Charles S. McWilliam ..... Picton
Gordon K. Mills ..... Kingston
Harold S. Mitchell ..... Listowel
Clifford D. Moore ..... Arnprior
Clarence E. Moore ..... Seeley's Bay
W. Desmond Noonan ..... Stanleyville
H. Siva Persad ..... Benares, India
Charles Quinn ..... Tweed
Ian E. A. Revelle, B.A. ..... Kingston
James E. Ross ..... Airlie Hall, B.W.I.

John P. Sherin ..... Lakefield
Clifford F. Smith ..... Odessa
Emil Smith ..... Brooklyn, N.Y.
William M. Spear ..... Hamilton
Robert A. Starrs ..... Ottawa
Hugh M. Stephen ..... Kingston
A. Romeyn Stevenson ..... Peterboro
Archie G. Strang ..... Lanark
W. Basil Thompson ..... Gananoque
W. Clair Van Allen ..... Mountain
Norman L. Walker ..... Mount Hamilton
Kenneth J. Williams ..... Kingston
Lloyd T. Williamson ..... Hamilton
K. Ghim Yip ..... Vancouver, B.C.

First Year

Paul Beddoe ..... North Bay
Kenneth E. Bellamy ..... Alexandria
Duncan W. Boucher ..... Chapleau
Don P. Cavin ..... Burford
Huntley W. Chambers ..... Fenelon Falls
George D. Denton ..... Cobourg
Telman T. Dufour ..... Ottawa
John W. Forster ..... Kingston
Sylvester E. Grimes ..... Ottawa
Gerald E. Grondin ..... Smith's Falls
Herbert E. Hanna ..... Ottawa
David A. Harding ..... Sarnia
Frank M. Higginson ..... Inkerman
James B. Hutchison ..... Gorrie
Jack H. Joyner ..... Kemptville
Howard W. Justus ..... Winchester
Cecil W. Kelley ..... Fort William
Ronald H. Kettle ..... Hamilton
J. Ewart A. Lindsay ..... North Bay
H. Grant Mabee ..... Ottawa
Edward F. MacIntosh ..... Spencerville
R. Donald MacNeill ..... Marysville, N.B.
James E. Meagher ..... Guelph
J. T. Grant Minnes ..... Kingston
Richard W. Mungul ..... Berbice, B. G.
Henry S. Murphy ..... Kingston
Arthur W. Orr ..... Hamilton

Harold J. Park ..... Kenmore
Cecil R. Patience ..... Ingersoll
Claud H. Ployart ..... Kamsack, Sask.
Stuart T. Porter ..... Ottawa
Gordon Stanton ..... Fenelon Falls
Richard K. Start ..... Toronto
George H. Steacy ..... North Augusta
John E. Tilden ..... Hamilton
Harry L. Tobin ..... Kemptville
Carl O. Vrooman ..... Sunderland
W. Roberts Webster ..... Fenelon Falls
J. Collis B. Williams ..... Kingston
L. Duane Wilson ..... Brockville
Wilson J. Wright ..... Strathroy
James J. Zaib ..... Charlottetown, P.E.I.

SUMMARY

Fifth Year	36
Fourth Year	66
Third Year	54
Second Year	62
First Year	42
Total	260

UNIVERSITY PUBLICATIONS

The following publications are issued by the University and, except where a price is mentioned, will be sent free of charge to all applicants.

CALENDAR OF THE FACULTY OF ARTS.

COURSES IN COMMERCE AND ADMINISTRATION.

CALENDAR OF THE FACULTY OF APPLIED SCIENCE.

CALENDAR OF THE FACULTY OF MEDICINE.

CALENDAR OF QUEEN'S THEOLOGICAL COLLEGE.

ANNOUNCEMENT OF THE SUMMER SCHOOL.

REQUIREMENTS FOR MATRICULATION.

ILLUSTRATED PAMPHLET.

EXAMINATION PAPERS. (Arts, 50 cents; Science and Medicine, each 25 cents.)